

DATE 04/05/2006

Columbia County Building Permit

PERMIT
000024345

This Permit Expires One Year From the Date of Issue

APPLICANT STEPHEN D. MORGAN PHONE 466-1876
ADDRESS 173 173 SW LANCELOT GLEN LAKE CITY FL 32024
OWNER STEPHEN MORGAN PHONE 466-1876
ADDRESS 146 SW GUINEVERE WAY LAKE CITY FL 32024
CONTRACTOR FRED PERRY'S CONSTRUCTION PHONE 752-2832
LOCATION OF PROPERTY 90W, TL ON SISTERS WELCOME ROAD, TR ON STONEHENGE LANE, TR ON GUINEVERE WAY, 2ND LOT ON LEFT

TYPE DEVELOPMENT SFD, UTILITY ESTIMATED COST OF CONSTRUCTION 98000.00
HEATED FLOOR AREA 1960.00 TOTAL AREA 2713.00 HEIGHT 1
FOUNDATION CONC WALLS FRAMED ROOF PITCH 6/12E FLOOR SLAB
LAND USE & ZONING RSF-2 MAX. HEIGHT 15
Minimum Set Back Requirments: STREET-FRONT 25.00 REAR 15.00 SIDE 10.00
NO. EX.D.U. 0 FLOOD ZONE X DEVELOPMENT PERMIT NO.

PARCEL ID 23-4S-16-03099-207 SUBDIVISION STONEHENGE
LOT 7 BLOCK PHASE UNIT TOTAL ACRES 0.50

000001039 CBC1252411
Culvert Permit No. Culvert Waiver Contractor's License Number Applicant/Owner/Contractor
CULVERT 06-0308-N BK JH Y
Driveway Connection Septic Tank Number LU & Zoning checked by Approved for Issuance New Resident

COMMENTS: MIN, FINISH FLOOR ELEVATION SHALL BE A MIN. OF 12" ABOVE THE HIGHEST
ADJACENT EXISTNG GROUND ELEVATION, NOC ON FILE

Check # or Cash 1086

FOR BUILDING & ZONING DEPARTMENT ONLY

(footer/Slab)

Temporary Power Foundation Monolithic
date/app. by date/app. by date/app. by
Under slab rough-in plumbing Slab Sheathing/Nailing
date/app. by date/app. by date/app. by
Framing Rough-in plumbing above slab and below wood floor
date/app. by date/app. by
Electrical rough-in Heat & Air Duct Peri. beam (Lintel)
date/app. by date/app. by date/app. by
Permanent power C.O. Final Culvert
date/app. by date/app. by date/app. by
M/H tie downs, blocking, electricity and plumbing Pool
date/app. by date/app. by
Reconnection Pump pole Utility Pole
date/app. by date/app. by date/app. by
M/H Pole Travel Trailer Re-roof
date/app. by date/app. by date/app. by

BUILDING PERMIT FEE \$ 490.00 CERTIFICATION FEE \$ 13.56 SURCHARGE FEE \$ 13.56
MISC. FEES \$ 0.00 ZONING CERT. FEE \$ 50.00 FIRE FEE \$ 0.00 WASTE FEE \$
FLOOD DEVELOPMENT FEE \$ FLOOD ZONE FEE \$ 25.00 CULVERT FEE \$ 25.00 TOTAL FEE 617.12
INSPECTORS OFFICE CLERKS OFFICE

NOTICE: IN ADDITION TO THE REQUIREMENTS OF THIS PERMIT, THERE MAY BE ADDITIONAL RESTRICTIONS APPLICABLE TO THIS PROPERTY THAT MAY BE FOUND IN THE PUBLIC RECORDS OF THIS COUNTY. AND THERE MAY BE ADDITIONAL PERMITS REQUIRED FROM OTHER GOVERNMENTAL ENTITIES SUCH AS WATER MANAGEMENT DISTRICTS, STATE AGENCIES, OR FEDERAL AGENCIES.

"WARNING TO OWNER: YOUR FAILURE TO RECORD A NOTICE OF COMMENCEMENT MAY RESULT IN YOUR PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR AN ATTORNEY BEFORE RECORDING YOUR NOTICE OF COMMENCEMENT."

This Permit Must Be Prominently Posted on Premises During Construction

PLEASE NOTIFY THE COLUMBIA COUNTY BUILDING DEPARTMENT AT LEAST 24 HOURS IN ADVANCE OF EACH INSPECTION, IN ORDER THAT IT MAY BE MADE WITHOUT DELAY OR INCONVENIENCE, PHONE 758-1008. THIS PERMIT IS NOT VALID UNLESS THE WORK AUTHORIZED BY IT IS COMMENCED WITHIN 6 MONTHS AFTER ISSUANCE.

The Issuance of this Permit Does Not Waive Compliance by Permittee with Deed Restrictions.

Columbia County Building Permit Application

Revised 9-23-04

For Office Use Only Application # 003-99 Date Received 3/28 By JW Permit # 1039/24345
 Application Approved by - Zoning Official BLK Date 30.03.06 Plans Examiner OK JTH Date 3-28-06
 Flood Zone X PER PLAT Development Permit N/A Zoning RSF-2 Land Use Plan Map Category REC Low Dev.
 Comments EN. HEALTH Signed Scale Plan
SITE PLAN ON PLANS 1/001 ELEVATION DOCUMENT ON FILE

Applicants Name Stephen D. Morgan Phone 386-466-1876
 Address 173 S.W. Lance lot Glen Lake City FL 32024
 Owners Name Same as above Phone _____
 911 Address 146 SW GUINEVERE Way, LAKE CITY 32024
 Contractors Name Fred Perry's Quality Construction Phone 386-752-2832
 Address 615 S.W. Sabre Ave. Lake City FL 32025
 Fee Simple Owner Name & Address None
 Bonding Co. Name & Address None
 Architect/Engineer Name & Address Mark Disosway PE P.O. Box 868 Lake City FL 32056
 Mortgage Lenders Name & Address None
 Circle the correct power company - FL Power & Light Clay Elec. Suwannee Valley Elec. Progressive Energy
 Property ID Number 23-45-16-03099-207 Estimated Cost of Construction \$109,000
 Subdivision Name Stone Henge Lot 7 Block _____ Unit _____ Phase II
 Driving Directions Highway 90 west, TL on Sisters welcome Rd. TR on Stone Henge Lane, TR on Guinevere way, second lot on left

Type of Construction Brick Veneer / wood Frame 590 Number of Existing Dwellings on Property 0
 Total Acreage .50 Lot Size _____ Do you need a Culvert Permit or Culvert Waiver or Have an Existing Drive
 Actual Distance of Structure from Property Lines - Front 25' Side 30' Side 39' 7" Rear 85'
 Total Building Height _____ Number of Stories 1 Heated Floor Area 1960 Roof Pitch 6/12
Porch 183 GARAGE 570 TOTAL 2713

Application is hereby made to obtain a permit to do work and installations as indicated. I certify that no work or installation has commenced prior to the issuance of a permit and that all work be performed to meet the standards of all laws regulating construction in this jurisdiction.

OWNERS AFFIDAVIT: I hereby certify that all the foregoing information is accurate and all work will be done in compliance with all applicable laws and regulating construction and zoning.

WARNING TO OWNER: YOUR FAILURE TO RECORD A NOTICE OF COMMENCEMENT MAY RESULT IN YOU PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR ATTORNEY BEFORE RECORDING A NOTICE OF COMMENCEMENT.

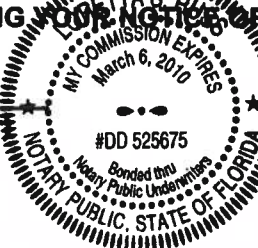
Owner Builder or Agent (including Contractor) Stephen D. Morgan

STATE OF FLORIDA
COUNTY OF COLUMBIA

Sworn to (or affirmed) and subscribed before me

this 28 day of March 2006

Personally known _____ or Produced Identification DL



Contractor Signature Fred Perry

Contractors License Number CBC1252411

Competency Card Number _____

NOTARY STAMP/SEAL

Notary Signature Loretta J. Russ

FLOOR ELEVATIONS

PROPERTY DESCRIPTION: Stonehenge Subdivision, Phase 2

OWNER: Donald E. Williams

PROJECT REQUIREMENTS: Finish floor elevations for Stonehenge Subdivision, Phase 2.

On all lots, except those listed below, the minimum finish floor elevation of all proposed habitable buildings shall be a minimum of 12 inches above the highest adjacent existing ground elevation at the proposed building.

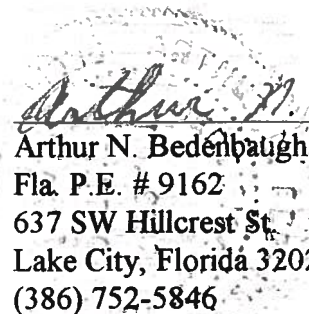
Lots 1, 2, 3, 4, & 5: The minimum finish floor elevation of all proposed habitable buildings shall be the higher of 12 inches above the highest adjacent existing ground elevation at the proposed building or 12 inches above the highest adjacent roadway.

Lots 17, 18, 19, 20, & 21: The minimum finish floor elevation of all proposed habitable buildings shall be the higher of 12 inches above the highest adjacent existing ground elevation at the proposed building or 18 inches above the east end of pavement adjacent to the retention pond.

All lots and driveways shall be graded to direct all runoff around and away from all points on exterior of the proposed building without changing direction, final destination, or quantity of runoff leaving the site. Lots shall not be filled, except for building pads, next to retention ponds.

The above elevations were obtained by using highly variable factors determined by a study of the watershed and by accepted water management district rainfall data and practices. Many judgements and assumptions are required to establish these factors. The resultant data is sensitive to changes, particularly of antecedent conditions, fill, urbanization, channelization, and land use.

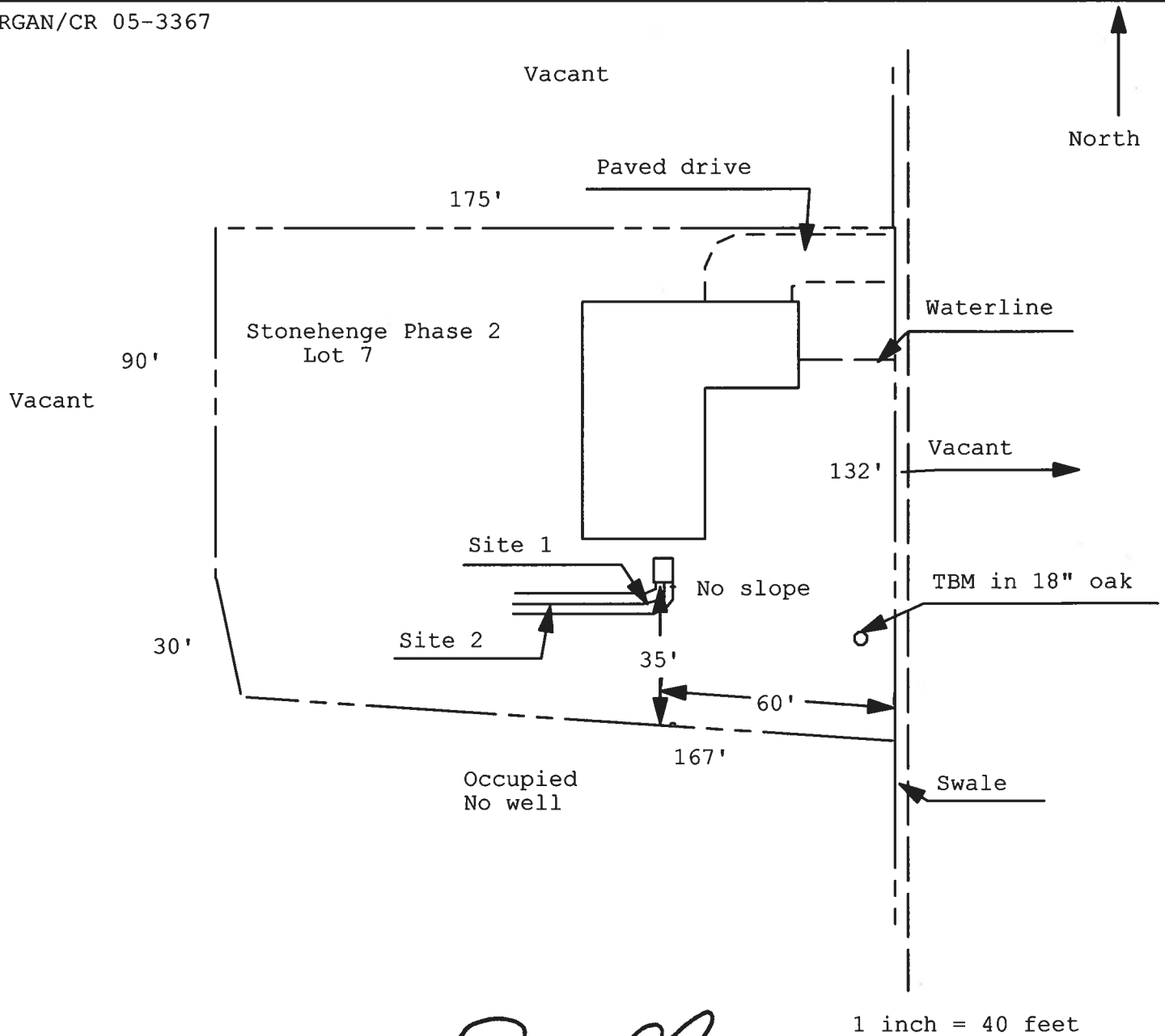
The elevations are based on the 100-year flood, which is the flood having a 1% chance of being exceeded in any year.


Arthur N. Bedenbaugh
Arthur N. Bedenbaugh
Fla. P.E. # 9162
637 SW Hillcrest St.
Lake City, Florida 32025
(386) 752-5846
10-6-05

**Application for Onsite Sewage Disposal System
Construction Permit. Part II Site Plan**
Permit Application Number: 06-0308N

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH UNIT

MORGAN/CR 05-3367

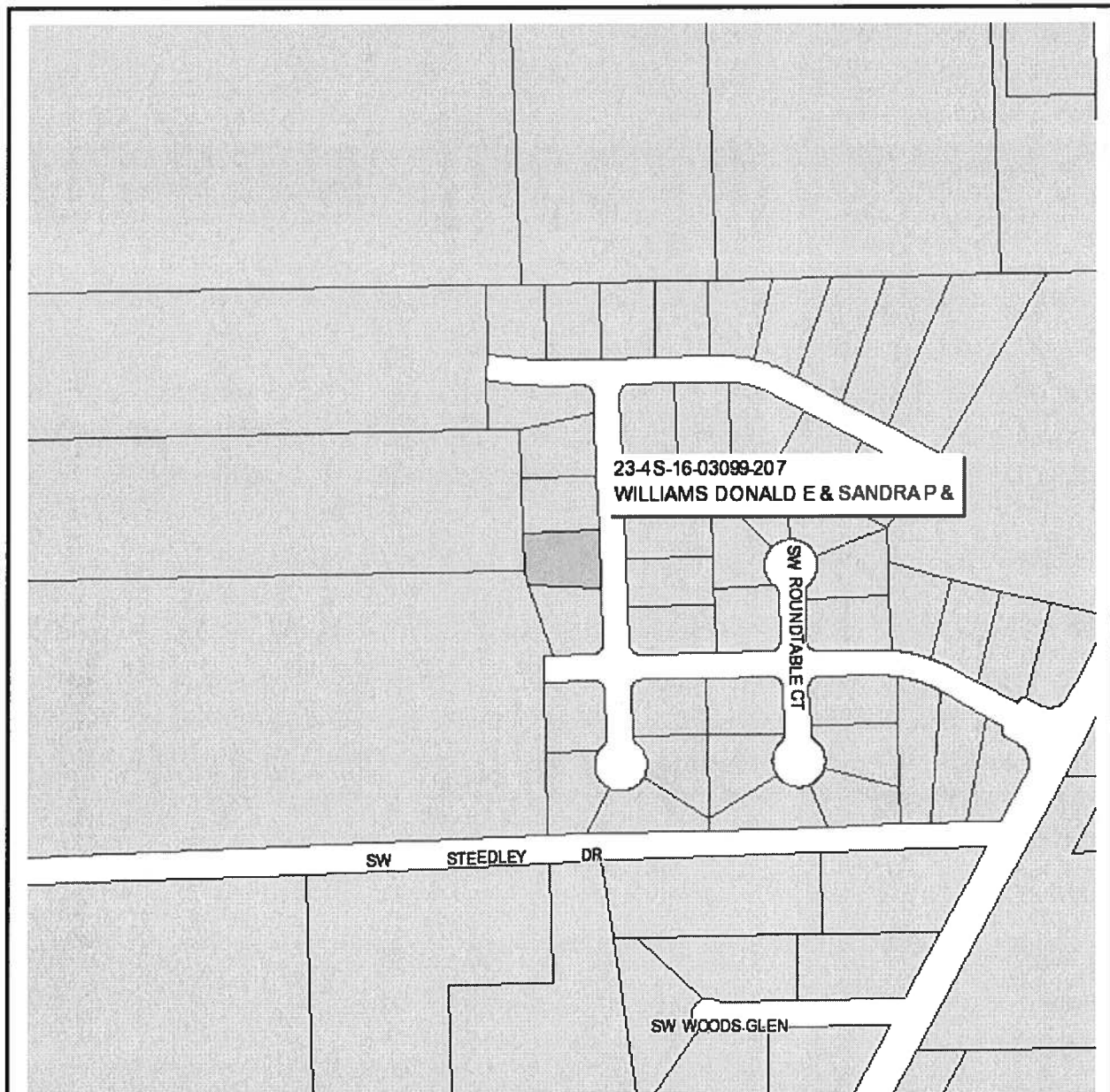


1 inch = 40 feet

Site Plan Submitted By Paul Lloyd Date 2/14/06
 Plan Approved ☒ Not Approved ☐ Date 4/9/06

By MM 02 Columbia CPHU

Notes: _____



Columbia County Property Appraiser

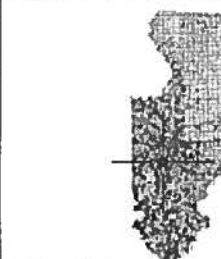
J. Doyle Crews, CFA - Lake City, Florida - 386-758-1083

PARCEL: 23-4S-16-03099-207 - VACANT (000000)

LOT 7 STONEHENGE PHASE 2.

Name: WILLIAMS DONALD E & SANDRA P &	LandVal	\$31,000.00
Site: GUINEVERE	BldgVal	\$0.00
UMESH M & SHILPA U MHATRE	ApprVal	\$31,000.00
Mail: 541 SW AIRPARK GLN	JustVal	\$31,000.00
LAKE CITY, FL 32025	Assd	\$31,000.00
Sales	Exmpt	\$0.00
Info	Taxable	\$31,000.00

0 160 320 480 ft



This information, GIS Map Updated: 2/7/2006, was derived from data which was compiled by the Columbia County Property Appraiser Office solely for the governmental purpose of property assessment. This information should not be relied upon by anyone as a determination of the ownership of property or market value. No warranties, expressed or implied, are provided for the accuracy of the data herein, its use, or its interpretation. Although it is periodically updated, this information may not reflect the data currently on file in the Property Appraiser's office. The assessed values are NOT certified values and therefore are subject to change before being finalized for ad valorem assessment purposes.

NOTICE OF COMMENCEMENT FORM
COLUMBIA COUNTY, FLORIDA

***THIS DOCUMENT MUST BE RECORDED AT THE COUNTY
CLERKS OFFICE BEFORE YOUR FIRST INSPECTION.***

THE UNDERSIGNED hereby gives notice that improvement will be made to certain real property, and in accordance with Chapter 713, Florida Statutes, the following information is provided in this Notice of Commencement.

Tax Parcel ID Number 23-45-16-03079-207

PERMIT NUMBER _____

1. Description of property: (legal description of the property and street address or 911 address)

146 SW Guinevere Way
Lake City FL 32024

Inst:2006007514 Date:03/28/2006 Time:10:29

S.F. DC, P. DeWitt Cason, Columbia County B:1076 P:131

2. General description of improvement: New Horse

3. Owner Name & Address Stephen D. Morgan

Interest in Property Owner

4. Name & Address of Fee Simple Owner (if other than owner): Same as above

5. Contractor Name Fred Perry Quality Const. Phone Number 752-2832

Address 615 SW Sabre Ave., Lake City FL 32025

6. Surety Holders Name None Phone Number _____

Address _____

Amount of Bond _____

7. Lender Name None Phone Number _____

Address _____

8. Persons within the State of Florida designated by the Owner upon whom notices or other documents may be served as provided by section 718.13 (1)(a) 7; Florida Statutes:

Name Stephen D. Morgan Phone Number 466-1876

Address 173 S.W. Lancelot Glen

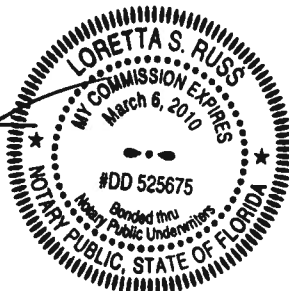
9. In addition to himself/herself the owner designates _____ of _____ to receive a copy of the Lienor's Notice as provided in Section 713.13 (1) - (a) 7. Phone Number of the designee _____

10. Expiration date of the Notice of Commencement (the expiration date is 1 (one) year from the date of recording, (Unless a different date is specified) _____

NOTICE AS PER CHAPTER 713, Florida Statutes:

The owner must sign the notice of commencement and no one else may be permitted to sign in his/her stead.

Stephen D. Morgan
Signature of Owner



Sworn to (or affirmed) and subscribed before
day of 28 March, 2006

NOTARY STAMP/SEAL

Loretta S. Russ
Signature of Notary

QUITCLAIM DEED

This Quitclaim Deed, executed on this date of March 24, 2006 by Donald E. Williams and Sandra P. Williams the *first* party (the grantors), all of Lake City, Florida, in favor of Stephen D. Morgan the second party (the grantee):

Witness that the said first party, for good consideration and for the sum of less than one hundred dollars paid by the said second party, the receipt whereof is hereby acknowledged, does hereby forever remise, release and quitclaim to the said second party all the right, title, interest and claim which the said first party has in and to the following parcel of land, and improvements and appurtenances thereto to in the County of Columbia, State of Florida to wit:

Lots 7, of Stonehenge Subdivision Phase 2, Columbia County, Florida (parcel no. 03099-207) as recorded in recorded in the Public Land Records of Columbia County, Florida Book 8, Pages 29 & 30

In witness whereof, the said first party has signed and sealed these presents the day and year first above written, signed, sealed and delivered in presence of the following grantors:

Donald E. Williams
Donald E. Williams
Sandra P. Williams
Sandra P. Williams

Witness signature [Signature]
Witness signature [Signature]

State of Florida
County of Columbia

On this date _____ the grantor(s) of this Quitclaim Deed personally known to me appeared before me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed in this instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies) and that by his/her/their signatures(s) on the instrument the person(s), or the entity upon witness my hand and official seal.

Loretta S. Russ
Signature of Notary

My commission expires 3/6/2010
Affiant (Known) Produced ID _____
Type of ID _____



FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs
Residential Whole Building Performance Method A

Project Name: **Steve Morgan Spec House**
Address: **Lot: 7, Sub: Stonehenge ph2, Plat:**
City, State: **Lake City, FL 32055-**
Owner: **Steve Morgan**
Climate Zone: **North**

Builder: **F. Perry**
Permitting Office: **Columbia Co**
Permit Number: **24345**
Jurisdiction Number: **121000**

- | | | |
|--|--------------------------------|-----------------------|
| 1. New construction or existing | New | ___ |
| 2. Single family or multi-family | Single family | ___ |
| 3. Number of units, if multi-family | 1 | ___ |
| 4. Number of Bedrooms | 3 | ___ |
| 5. Is this a worst case? | No | ___ |
| 6. Conditioned floor area (ft ²) | 1960 ft ² | ___ |
| 7. Glass area & type | Single Pane | Double Pane |
| a. Clear glass, default U-factor | 0.0 ft ² | 174.0 ft ² |
| b. Default tint | 0.0 ft ² | 0.0 ft ² |
| c. Labeled U or SHGC | 0.0 ft ² | 0.0 ft ² |
| 8. Floor types | | ___ |
| a. Slab-On-Grade Edge Insulation | R=0.0, 199.0(p) ft | ___ |
| b. N/A | | ___ |
| c. N/A | | ___ |
| 9. Wall types | | ___ |
| a. Frame, Wood, Exterior | R=13.0, 1376.0 ft ² | ___ |
| b. N/A | | ___ |
| c. N/A | | ___ |
| d. N/A | | ___ |
| e. N/A | | ___ |
| 10. Ceiling types | | ___ |
| a. Under Attic | R=30.0, 1960.0 ft ² | ___ |
| b. N/A | | ___ |
| c. N/A | | ___ |
| 11. Ducts | | ___ |
| a. Sup: Unc. Ret: Unc. AH: Interior | Sup. R=6.0, 25.0 ft | ___ |
| b. N/A | | ___ |

- | | |
|--|----------------------------------|
| 12. Cooling systems | |
| a. Central Unit | Cap: 35.0 kBtu/hr
SEER: 14.00 |
| b. N/A | ___ |
| c. N/A | ___ |
| 13. Heating systems | |
| a. Electric Heat Pump | Cap: 35.0 kBtu/hr
HSPF: 7.90 |
| b. N/A | ___ |
| c. N/A | ___ |
| 14. Hot water systems | |
| a. Electric Resistance | Cap: 30.0 gallons
EF: 0.90 |
| b. N/A | ___ |
| c. Conservation credits
(HR-Heat recovery, Solar
DHP-Dedicated heat pump) | ___ |
| 15. HVAC credits | PT, CF, ___ |
| (CF-Ceiling fan, CV-Cross ventilation,
HF-Whole house fan,
PT-Programmable Thermostat,
MZ-C-Multizone cooling,
MZ-H-Multizone heating) | |

Glass/Floor Area: 0.09

Total as-built points: 20939

Total base points: 28405

PASS

I hereby certify that the plans and specifications covered by this calculation are in compliance with the Florida Energy Code.

PREPARED BY: Tim Delbene

DATE: 3/5/06

I hereby certify that this building, as designed, is in compliance with the Florida Energy Code.

OWNER/AGENT: _____

DATE: _____

Review of the plans and specifications covered by this calculation indicates compliance with the Florida Energy Code. Before construction is completed this building will be inspected for compliance with Section 553.908 Florida Statutes.

BUILDING OFFICIAL: _____

DATE: _____



SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 7, Sub: Stonehenge ph2, Plat: , Lake City, FL, 32055-

PERMIT #:

BASE				AS-BUILT							
GLASS TYPES .18 X Conditioned X BSPM = Points Floor Area				Type/SC	Overhang Ornt Len Hgt			Area X SPM X SOF = Points			
.18	1960.0	20.04	7070.1	Double, Clear	N	2.0	7.0	15.0	19.20	0.92	265.6
				Double, Clear	N	2.0	5.0	9.0	19.20	0.87	150.5
				Double, Clear	S	2.0	7.0	30.0	35.87	0.82	882.5
				Double, Clear	S	2.0	5.0	9.0	35.87	0.72	233.5
				Double, Clear	E	2.0	7.0	36.0	42.06	0.89	1341.5
				Double, Clear	W	2.0	3.0	20.0	38.52	0.64	492.0
				Double, Clear	W	2.0	7.0	30.0	38.52	0.89	1024.8
				Double, Clear	W	4.0	8.0	25.0	38.52	0.73	703.0
				As-Built Total:				174.0			
WALL TYPES Area X BSPM = Points				Type	R-Value			Area X SPM = Points			
Adjacent	0.0	0.00	0.0	Frame, Wood, Exterior	13.0			1376.0	1.50	2064.0	
Exterior	1376.0	1.70	2339.2								
Base Total: 1376.0 2339.2				As-Built Total:			1376.0			2064.0	
DOOR TYPES Area X BSPM = Points				Type				Area X SPM = Points			
Adjacent	21.0	2.40	50.4	Exterior Insulated				21.0	4.10	86.1	
Exterior	21.0	6.10	128.1	Adjacent Insulated				21.0	1.60	33.6	
Base Total: 42.0 178.5				As-Built Total:			42.0			119.7	
CEILING TYPES Area X BSPM = Points				Type	R-Value			Area X SPM X SCM = Points			
Under Attic	1960.0	1.73	3390.8	Under Attic	30.0			1960.0	1.73 X 1.00	3390.8	
Base Total: 1960.0 3390.8				As-Built Total:			1960.0			3390.8	
FLOOR TYPES Area X BSPM = Points				Type	R-Value			Area X SPM = Points			
Slab	199.0(p)	-37.0	-7363.0	Slab-On-Grade Edge Insulation	0.0			199.0(p)	-41.20	-8198.8	
Raised	0.0	0.00	0.0								
Base Total: -7363.0				As-Built Total:			199.0			-8198.8	
INFILTRATION Area X BSPM = Points							Area X SPM = Points				
1960.0 10.21 20011.6							1960.0 10.21 20011.6				

SUMMER CALCULATIONS**Residential Whole Building Performance Method A - Details**

ADDRESS: Lot: 7, Sub: Stonehenge ph2, Plat: , Lake City, FL, 32055-

PERMIT #:

BASE				AS-BUILT						
Summer Base Points: 25627.2				Summer As-Built Points: 22480.7						
Total Summer Points	X	System Multiplier	= Cooling Points	Total Component	X	Cap Ratio	X Duct Multiplier	X System Multiplier	X Credit Multiplier	= Cooling Points
				(DM x DSM x AHU)						
25627.2		0.4266	10932.6	22480.7	1.000	(1.090 x 1.147 x 0.91)	0.244	0.902		5627.3
				22480.7	1.00	1.138	0.244	0.902		5627.3

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 7, Sub: Stonehenge ph2, Plat: , Lake City, FL, 32055-

PERMIT #:

BASE				AS-BUILT							
GLASS TYPES											
.18 X Conditioned X BWPM = Points Floor Area				Type/SC	Overhang Ornt Len Hgt		Area X WPM X WOF = Points				
.18	1960.0	12.74	4494.7	Double, Clear	N	2.0	7.0	15.0	24.58	1.00	369.9
				Double, Clear	N	2.0	5.0	9.0	24.58	1.01	222.7
				Double, Clear	S	2.0	7.0	30.0	13.30	1.17	467.1
				Double, Clear	S	2.0	5.0	9.0	13.30	1.40	167.6
				Double, Clear	E	2.0	7.0	36.0	18.79	1.05	707.3
				Double, Clear	W	2.0	3.0	20.0	20.73	1.12	464.1
				Double, Clear	W	2.0	7.0	30.0	20.73	1.03	641.3
				Double, Clear	W	4.0	8.0	25.0	20.73	1.08	561.6
				As-Built Total:				174.0	3601.5		
WALL TYPES				Area X BWPM = Points		Type	R-Value	Area X WPM =		Points	
Adjacent	0.0	0.00	0.0	Frame, Wood, Exterior		13.0	1376.0	3.40	4678.4		
Exterior	1376.0	3.70	5091.2								
Base Total:		1376.0	5091.2	As-Built Total:		1376.0		4678.4			
DOOR TYPES				Area X BWPM = Points		Type		Area X WPM =		Points	
Adjacent	21.0	11.50	241.5	Exterior Insulated			21.0	8.40	176.4		
Exterior	21.0	12.30	258.3	Adjacent Insulated			21.0	8.00	168.0		
Base Total:		42.0	499.8	As-Built Total:		42.0		344.4			
CEILING TYPES				Area X BWPM = Points		Type	R-Value	Area X WPM X WCM =		Points	
Under Attic	1960.0	2.05	4018.0	Under Attic		30.0	1960.0	2.05 X 1.00	4018.0		
Base Total:		1960.0	4018.0	As-Built Total:		1960.0		4018.0			
FLOOR TYPES				Area X BWPM = Points		Type	R-Value	Area X WPM =		Points	
Slab	199.0(p)	8.9	1771.1	Slab-On-Grade Edge Insulation		0.0	199.0(p)	18.80	3741.2		
Raised	0.0	0.00	0.0								
Base Total:		1771.1	1771.1	As-Built Total:		199.0		3741.2			
INFILTRATION				Area X BWPM = Points				Area X WPM =		Points	
		1960.0	-0.59	-1156.4				1960.0	-0.59	-1156.4	

WINTER CALCULATIONS**Residential Whole Building Performance Method A - Details**

ADDRESS: Lot: 7, Sub: Stonehenge ph2, Plat: , Lake City, FL, 32055-

PERMIT #:

BASE				AS-BUILT							
Winter Base Points:		14718.4		Winter As-Built Points:				15227.1			
Total Winter Points	X	System Multiplier	= Heating Points	Total Component	X	Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Heating Points	
14718.4		0.6274	9234.3	15227.1 15227.1		1.000 1.00	(1.069 x 1.169 x 0.93) 1.162	0.432 0.432	0.950 0.950	7256.8 7256.8	

WATER HEATING & CODE COMPLIANCE STATUS**Residential Whole Building Performance Method A - Details**

ADDRESS: Lot: 7, Sub: Stonehenge ph2, Plat: , Lake City, FL, 32055-

PERMIT #:

BASE					AS-BUILT							
WATER HEATING												
Number of Bedrooms	X	Multiplier	=	Total	Tank Volume	EF	Number of Bedrooms	X	Tank X Ratio	Multiplier X Credit	=	Total
3		2746.00		8238.0	30.0	0.90	3		1.00	2684.98	1.00	8054.9
					As-Built Total:							
					8054.9							

CODE COMPLIANCE STATUS											
BASE						AS-BUILT					
Cooling Points	+	Heating Points	+	Hot Water Points	= Total Points	Cooling Points	+	Heating Points	+	Hot Water Points	= Total Points
10933		9234		8238	28405	5627		7257		8055	20939

PASS

Columbia County Building Department Culvert Permit

Culvert Permit No.
000001039

DATE 04/05/2006 PARCEL ID # 23-4S-16-03099-207

APPLICANT STEPHEN D. MORGAN PHONE 466-1876

ADDRESS 173 SW LANCELOT GLEN LAKE CITY FL 32024

OWNER STEPHEN MORGAN PHONE 466-1876

ADDRESS 146 SW GUINEVERE WAY LAKE CITY FL 32024

CONTRACTOR FRED PERRY'S CONSTRUCTION PHONE 752-2832

LOCATION OF PROPERTY 90W, TL ON SISTERS WELCOME ROAD, TR ON STONEHENGE LANE, TR ON
GUINEVERE WAY, 2ND LOT ON LEFT

SUBDIVISION/LOT/BLOCK/PHASE/UNIT STONEHENGE 7

SIGNATURE

INSTALLATION REQUIREMENTS



Culvert size will be 18 inches in diameter with a total length of 32 feet, leaving 24 feet of driving surface. Both ends will be mitered 4 foot with a 4 : 1 slope and poured with a 4 inch thick reinforced concrete slab.

INSTALLATION NOTE: Turnouts will be required as follows:

- a) a majority of the current and existing driveway turnouts are paved, or;
- b) the driveway to be served will be paved or formed with concrete.

Turnouts shall be concrete or paved a minimum of 12 feet wide or the width of the concrete or paved driveway, whichever is greater. The width shall conform to the current and existing paved or concreted turnouts.



Culvert installation shall conform to the approved site plan standards.



Department of Transportation Permit installation approved standards.



Other _____

ALL PROPER SAFETY REQUIREMENTS SHOULD BE FOLLOWED
DURING THE INSTALATION OF THE CULVERT.

135 NE Hernando Ave., Suite B-21
Lake City, FL 32055
Phone: 386-758-1008 Fax: 386-758-2160

Amount Paid 25.00



Notice of Treatment

12032

Applicator: **Florida Pest Control & Chemical Co. (www.flapest.com)**

Address: Brya Ave

City LC Phone 752-1703

Site Location: Subdivision Stonehenge

Lot # 7 Block# Permit # ~~24345~~ 24345

Address 196 SW Swen-der

<u>Product used</u>	<u>Active Ingredient</u>	<u>% Concentration</u>
---------------------	--------------------------	------------------------

☐ Premise	Imidacloprid	0.1%
----------------------------------	--------------	------

☐ Termidor	Fipronil	0.12%
-----------------------------------	----------	-------

☒ Bora-Care	Disodium Octaborate Tetrahydrate	23.0%
---	----------------------------------	-------

Type treatment:

☐ Soil

☒ Wood

Area Treated

Square feet

Linear feet

Gallons Applied

Dwelling

2713

731

4

As per Florida Building Code 104.2.6 – If soil chemical barrier method for termite prevention is used, final exterior treatment shall be completed prior to final building approval.

If this notice is for the final exterior treatment, initial this line _____.

6-6-06

Date

1045

Time

F254

Print Technician's Name

Remarks: _____

Applicator - White

Permit File - Canary

Permit Holder - Pink

10/05



COLUMBIA COUNTY, FLORIDA

OCCUPANCY

COLUMBIA COUNTY, FLORIDA

Department of Building and Zoning Inspection

This Certificate of Occupancy is issued to the below named permit holder for the building and premises at the below named location, and certifies that the work has been completed in accordance with the Columbia County Building Code.

Parcel Number 23-4S-16-03099-207

Building permit No. 000024345

Use Classification SFD, UTILITY

Fire: 11.84

Permit Holder FRED PERRY'S CONSTRUCTION

Waste: 24.50

Owner of Building STEPHEN MORGAN

Total: 36.34

Location: 146 SW GUINEVERE WAY

Date: 08/24/2006



[Signature]

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)

From: The Columbia County Building Department
Plans Review
135 NE Hernando Av.
P. O Box 1529
Lake City Florida, 32056-1529

Reference to a building permit application Number:

0603-99

Fred Perry's Quality Construction owner Stephen Morgan Lot 7 Phase2 Stonehenge Subdivision

On the date of March 28, 2006 application 0603-99 and plans for construction of a single family dwelling were reviewed and the following information or alteration to the plans will be required to continue processing this application. If you should have any question please contact the above address, or contact phone number (386) 758-1163 or fax any information to (386) 754-7088.

Please include application number 0603-99 when making reference to this application.

1. Show on the electrical plan the location of the electrical service overcurrent protection device. This device shall be installed on the exterior of structures to serve as a disconnecting means. Conductors used from the exterior disconnecting means to a panel or sub panel shall have four-wire conductors, of which one conductor shall be used as an equipment ground.

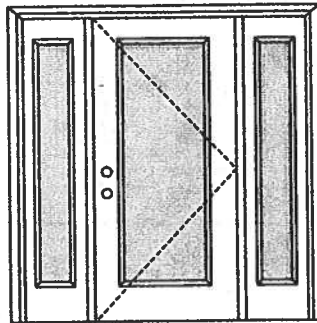
Thank you,



Joe Haltiwanger
Plan Examiner
Columbia County Building Department

WOOD-EDGE STEEL DOORS

APPROVED ARRANGEMENT:



Test Data Review Certificate #3026447A and COP/Test Report Validation Matrix #3026447A-001 provides additional information - available from the ITS/WH website (www.itsamko.com), the Masonite website (www.masonite.com) or the Masonite technical center.

Note:
Units of other sizes are covered by this report as long as the panels used do not exceed 3'0" x 6'8".

Single Door with 2 Sidelites
Maximum unit size = 9'0" x 6'8"

Design Pressure
+40.5/-40.5
Limited water unless special threshold design is used.

Large Missile Impact Resistance
Hurricane protective system (shutters) is REQUIRED.

Actual design pressure and impact resistant requirements for a specific building design and geographic location is determined by ASCE 7-national, state or local building codes specify the edition required.

MINIMUM ASSEMBLY DETAIL:

Compliance requires that minimum assembly details have been followed – see MAD-WL-MA0004-02 or MAD-WL-MA0007-02 and MAD-WL-MA0041-02.

MINIMUM INSTALLATION DETAIL:

Compliance requires that minimum installation details have been followed – see MID-WL-MA0004-02.

APPROVED DOOR STYLES:

1/4 GLASS:



100 Series



133, 135 Series



136 Series



680 Series



822 Series

1/2 GLASS:



105 Series*



106, 160 Series*



129 Series*



200 Series*



12 R/L, 23 R/L, 24 R/L Series*



107 Series*



108 Series



304 Series

*This glass kit may also be used in the following door styles: 5-panel; 5-panel with scroll; Eyebrow 5-panel; Eyebrow 5-panel with scroll.

Johnson
EntrySystems

June 17, 2002
Our continuing program of product improvement makes specifications, design and product detail subject to change without notice.

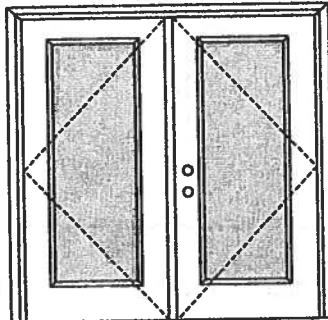
PREMDOR Collection
Premium Quality Doors

Exclusively from
Masonite
Masonite International Corporation

XX

Glazed Inswing Unit

COP-WL-JH4142-02

WOOD-EDGE STEEL DOORS**APPROVED ARRANGEMENT:**

Test Data Review Certificate #3026447A and COP/Test Report Validation Matrix #3026447A-001 provides additional information - available from the ITS/WH website (www.itswh.com), the Masonite website (www.masonite.com) or the Masonite technical center.

Note:

Units of other sizes are covered by this report as long as the panels used do not exceed 3'0" x 6'8".

Double Door

Maximum unit size = 6'0" x 6'8"

Design Pressure

+40.5/-40.5

Limited water unless special threshold design is used.

Large Missile Impact Resistance

Hurricane protective system (shutters) is REQUIRED.

Actual design pressure and impact resistant requirements for a specific building design and geographic location is determined by ASCE 7-national, state or local building codes specify the edition required.

MINIMUM ASSEMBLY DETAIL:

Compliance requires that minimum assembly details have been followed – see MAD-WL-MA0002-02 and MAD-WL-MA0041-02.

MINIMUM INSTALLATION DETAIL:

Compliance requires that minimum installation details have been followed – see MID-WL-MA0002-02.

APPROVED DOOR STYLES:**1/4 GLASS:**

100 Series



133, 135 Series



136 Series



680 Series



822 Series

1/2 GLASS:

105 Series*



106, 160 Series*



129 Series*



200 Series*

12 R/L, 23 R/L, 24 R/L
Series*

107 Series*



108 Series



304 Series

*This glass kit may also be used in the following door styles: 5-panel; 5-panel with scroll; Eyebrow 5-panel; Eyebrow 5-panel with scroll.

Johnson
EntrySystems™

June 17, 2002

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PREMDOR Collection
Premium Quality Doors



Exclusively from

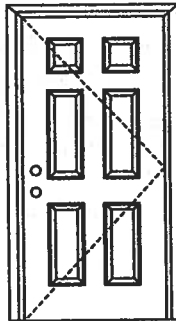
Masonite®

Masonite International Corporation

X

Opaque Inswing Unit

COP-WL-JH4101-02

WOOD-EDGE STEEL DOORS**APPROVED ARRANGEMENT:****Note:**

Units of other sizes are covered by this report as long as the panel used does not exceed 3'0" x 6'8".

Single Door

Maximum unit size = 3'0" x 6'8"

Design Pressure

+66.0/-66.0

limited water unless special threshold design is used.

Large Missile Impact Resistance

Hurricane protective system (shutters) is NOT REQUIRED.

Actual design pressure and impact resistant requirements for a specific building design and geographic location is determined by ASCE 7-national, state or local building codes specify the edition required.

Warnock Hersey



Test Data Review Certificate #3026447A and COP/Test Report Validation Matrix #3026447A-001 provides additional information - available from the ITS/WH website (www.itssemko.com), the Masonite website (www.masonite.com) or the Masonite technical center.

MINIMUM ASSEMBLY DETAIL:

Compliance requires that minimum assembly details have been followed – see MAD-WL-MA0001-02.

MINIMUM INSTALLATION DETAIL:

Compliance requires that minimum installation details have been followed – see MID-WL-MA0001-02.

APPROVED DOOR STYLES:

Flush



Arch Top 3-panel



3-panel



6-panel



New England 4-panel



Eyebrow 4-panel



8-panel



9-panel



15-panel



5-panel



5-panel with scroll



Eyebrow 5-panel



Eyebrow 5-panel with scroll

1

Johnson™
EntrySystems

June 17, 2002
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Exclusively from

Masonite®

Masonite International Corporation



**AAMA/NWWDA 101/I.S.2-97
TEST REPORT SUMMARY**

Rendered to:

MI HOME PRODUCTS, INC.

SERIES/MODEL: 650 Fin

TYPE: Aluminum Single Hung Window

Title of Test	Results
Rating	H-R40 52 x 72
Overall Design Pressure	+45.0 psf
Operating Force	-47.2 psf
Air Infiltration	11 lb max.
Water Resistance	0.13 cfm/ft ²
Structural Test Pressure	6.00 psf
Deglazing	+67.5 psf
Impact Entry Resistance	-70.8 psf
	Passed
	Grade 10

Reference should be made to test description and data

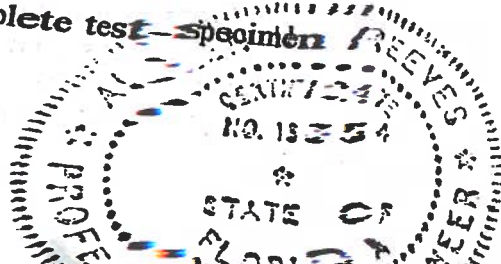
For ARCHITECTURAL

MI HOME PRODUCTS, INC.

Mark A. Hess, Technician

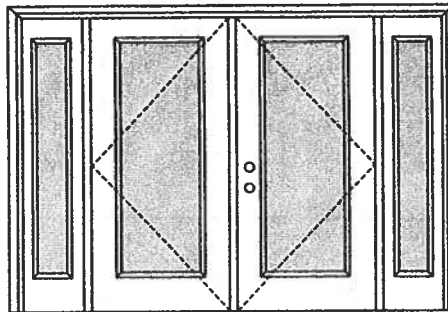
MAH:nlb

Report No. 01-41134.01 dated 03/26/02 for complete test



WOOD-EDGE STEEL DOORS

APPROVED ARRANGEMENT:



Test Data Review Certificate #3026447A and COP/Test Report Validation Matrix #3026447A-001 provides additional information - available from the ITS/WH website (www.itswh.com), the Masonite website (www.masonite.com) or the Masonite technical center.

Note:
Units of other sizes are covered by this report as long as the panels used do not exceed 3'0" x 6'8".

Double Door with 2 Sidelites
Maximum unit size = 12'0" x 6'8"

Design Pressure
+40.5/-40.5
Limited water unless special threshold design is used.

Large Missile Impact Resistance
Hurricane protective system (shutters) is REQUIRED.

Actual design pressure and impact resistant requirements for a specific building design and geographic location is determined by ASCE 7-national, state or local building codes specify the edition required.

MINIMUM ASSEMBLY DETAIL:

Compliance requires that minimum assembly details have been followed – see MAD-WL-MA0005-02 or MAD-WL-MA0008-02 and MAD-WL-MA0041-02.

MINIMUM INSTALLATION DETAIL:

Compliance requires that minimum installation details have been followed – see MID-WL-MA0005-02.

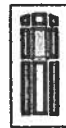
APPROVED DOOR STYLES: 1/4 GLASS:



100 Series



133, 135 Series



136 Series



680 Series



822 Series

1/2 GLASS:



105 Series*



106, 160 Series*



129 Series*



200 Series*



12 R/L, 23 R/L, 24 R/L Series*



107 Series*



108 Series



304 Series

*This glass kit may also be used in the following door styles: 5-panel; 5-panel with scroll; Eyebrow 5-panel; Eyebrow 5-panel with scroll.

Johnson
EntrySystems

June 17, 2002
Our continuing program of product improvement makes specifications, design and product detail subject to change without notice.

PREMDOR Collection
Premium Quality Doors



Exclusively from

Masonite

Masonite International Corporation

TABLE 1

DOOR HEIGHT	STRUT SPACING (BASED ON RECOMMENDED SECTION CONFIGURATION)							TOP T
	A	B	C	D	E	F	G	
6' 6"	18 1/4"	36						76 1/2"
7'	18 1/4"	39 1/4"	60 1/4"					82 1/2"
8'	18 1/4"	36 1/4"	54 1/4"	72 1/4"				84 1/2"
8' 6"	18 1/4"	39 1/4"	60 1/4"	72 1/4"				86 1/2"
9'	15 1/4"	33 1/4"	51 1/4"	69 1/4"	87 1/4"			106 1/2"
9' 6"	18 1/4"	39 1/4"	60 1/4"	72 1/4"	90 1/4"			112 1/2"
10'	18 1/4"	39 1/4"	60 1/4"	78 1/4"	96 1/4"			118 1/2"
10' 6"	18 1/4"	39 1/4"	60 1/4"	81 1/4"	99 1/4"			124 1/2"
11'	18 1/4"	36 1/4"	54 1/4"	72 1/4"	90 1/4"	108 1/4"		130 1/2"
11' 6"	18 1/4"	39 1/4"	60 1/4"	81 1/4"	99 1/4"	117 1/4"		136 1/2"
12'	18 1/4"	39 1/4"	60 1/4"	81 1/4"	102 1/4"	120 1/4"		142 1/2"
12' 6"	18 1/4"	39 1/4"	60 1/4"	84 1/4"	105 1/4"	123 1/4"		148 1/2"
13'	18 1/4"	39 1/4"	60 1/4"	81 1/4"	96 1/4"	114 1/4"	132 1/4"	154 1/2"
13' 6"	18 1/4"	39 1/4"	60 1/4"	84 1/4"	102 1/4"	120 1/4"	138 1/4"	160 1/2"
14'	18 1/4"	39 1/4"	60 1/4"	81 1/4"	102 1/4"	123 1/4"	144 1/4"	166 1/2"

TABLE 2

DOOR HEIGHT	SECTION HEIGHTS						
	Btm	#2	#3	#4	#5	#6	#7
13' 6"	21"	21"	21"	21"	18"	18"	21"
13' 0"	21"	21"	21"	21"	18"	18"	21"
12' 6"	21"	18"	18"	18"	18"	18"	21"
12' 0"	21"	21"	21"	21"	18"	18"	21"
11' 6"	21"	21"	21"	18"	18"	18"	21"
11' 0"	21"	18"	18"	18"	18"	18"	21"
10' 6"	21"	21"	21"	21"	21"	21"	
10' 0"	21"	21"	21"	18"	18"	18"	
9' 6"	21"	18"	18"	18"	18"	21"	
9' 0"	18"	18"	18"	18"	18"		
8' 6"	21"	21"	21"	18"	21"		
8' 0"	21"	18"	18"	18"			
7' 6"	18"	18"	18"	18"	18"		
7' 0"	21"	21"	21"				
6' 6"	21"	18"	18"	21"			

TABLE 3

DOOR HEIGHT	TRACK ATTACHMENT							SPLICE S
	A	B	C	D	E	F	G	
6' 6"	10"	38"	58"					76"
7'	10"	38"	58"					76"
8'	10"	34"	58"	82"				88"
8' 6"	10"	34"	58"	82"				88"
9'	10"	34"	58"	82"				100"
9' 6"	10"	34"	58"	82"	106"			106"
10'	10"	34"	58"	82"	106"			112"
10' 6"	10"	34"	58"	82"	106"			118"
11'	10"	34"	58"	82"	106"			124"
11' 6"	10"	34"	58"	82"	106"	124"		130"
12'	10"	34"	58"	82"	106"	130"		136"
12' 6"	10"	34"	58"	82"	106"	130"	142"	142"
13'	10"	34"	58"	82"	106"	130"		148"
13' 6"	10"	34"	58"	82"	106"	130"	148"	154"
14'	10"	34"	58"	82"	106"	130"	154"	160"

TABLE 4

Section Width (ft)	Panel Type	Center Stile Location (Measured from Left Edge)	Max Design Loads Allowed	
			Positive (PSF)	Negative (PSF)
8' 0"	Short	48.000	25.5	30.1
8' 0"	Long	48.000	25.5	30.1
8' 2"	Short	49.000	25.0	29.5
8' 2"	Long	49.000	25.0	29.5
8' 4"	Short	50.000	24.5	28.9
8' 4"	Long	50.000	24.5	28.9
8' 6"	Short	51.000	24.0	28.3
8' 6"	Long	51.000	24.0	28.3
8' 8"	Short	52.000	23.6	27.8
8' 8"	Long	52.000	23.6	27.8
8' 10"	Short	53.000	23.1	27.3
8' 10"	Long	53.000	23.1	27.3
9' 0"	Short	54.000	22.8	26.9
9' 0"	Long	54.000	22.8	26.9

9x7 & 16x7



**AAMA/NWWDA 101/I.S.2-97
TEST REPORT SUMMARY**

Rendered to:

MI HOME PRODUCTS, INC.

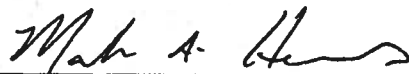
SERIES/MODEL: 650

TYPE: Aluminum Picture Window

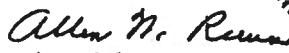
Title of Test	Results
Rating	F-R45 60 x 80
Overall Design Pressure	+45.0 psf -47.2 psf
Air Infiltration	0.04 cfm/ft ²
Water Resistance	8.25 psf
Structural Test Pressure	+67.5 psf -70.8 psf
Forced Entry Resistance	Grade 10

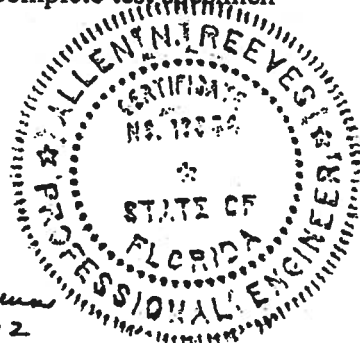
Reference should be made to Report No. 01-41135.01 dated 03/26/02 for complete test specimen description and data.

For ARCHITECTURAL TESTING, INC.


Mark A. Hess, Technician

MAH:nlb


1 APRIL 2002





Test Specimen Description: (Continued)

Frame Construction: The frame was constructed of extruded aluminum with coped, butted, and sealed corners fastened with two #8 x 1" screws through the head and sill into each jamb screw boss.

Reinforcement: No reinforcement was utilized.

Installation: The test specimen was installed into a 2 x 8 #2 Spruce-Pine-Fir wood test buck. #8 x 2-1/2" installation screws were utilized 18" on center around the interior perimeter. Polyurethane was utilized to seal the exterior.

Test Results:

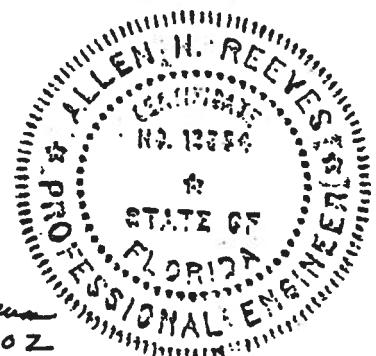
The results are tabulated as follows:

<u>Paragraph</u>	<u>Title of Test - Test Method</u>	<u>Results</u>	<u>Allowed</u>
	Air Infiltration (ASTM E 283-91) @ 1.57 psf (25 mph)	0.04 cfm/ft ²	0.3 cfm/ft ² max.

Note #1: The tested specimen meets the performance levels specified in AAMA/NWDA 101/I.S. 2-97 for air infiltration.

	Water Resistance (ASTM E 547-00) WTP = 2.86 psf	No leakage	No leakage
2.1.4.1	Uniform Load Deflection (ASTM E 330-97) (Measurements reported were taken on the jamb) (Loads were held for 33 seconds) @ 25.9 psf (positive) @ 34.7 psf (negative)	0.01" 0.01"	0.41" max. 0.41" max.
2.1.4.2	Uniform Load Structural (ASTM E 330-97) (Measurements reported were taken on the jamb) (Loads were held for 10 seconds) @ 38.9 psf (positive) @ 52.1 psf (negative)	0.0" 0.01"	0.29" max. 0.29" max.

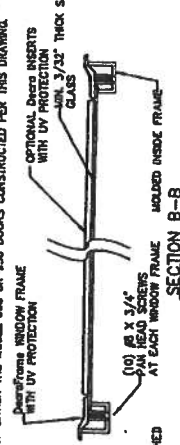
Allen H. Reeves
1 APRIL 2002



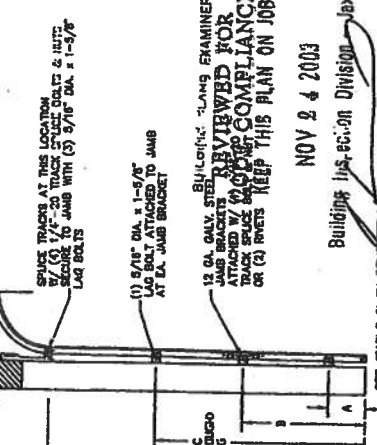
9x17 @ 16x7

GLAZING OPTION CROSS SECTION

TEST NO. NC-600-185-15 ON OCTOBER 10, 2003 INCLUDED GLAZING IN THE TEST. THE GLAZING WAS A 1/2" GLASS WITH A 1/2" AIR SPACE. BY COMPARISON, UP TO 10% OF THE GLAZING WAS LOST IN (1) ONE SECTION OF EITHER THE MODEL 800 OR 850 DOORS CONSTRUCTED PER THIS DRAWING.



SECTION B-B



NOV 2 & 2003
Building Ins. Co. on Division - Jan, FL.
REVIEWED FOR COMPLIANCE
OR (2) RIVETS KEEP THIS PLAN ON JOB

SEE TABLE 3.0 IN REVERSE SIDE FOR JAMB BRACKET
TRACK CONFIGURATION FOR 6\"/>

MAX. SIZE
8\"/>

DESIGN LOADS
+22.8 PSF
-28.9 PSF

TEST LOADS
+34.2 PSF
-40.4 PSF

DATE
JUN 17 2003

BY
Amari

145 CARRIAGE COURT WINSTON-SALEM, NC 27105
MODEL #800 STRATFORD w/ DuraSafe
MODEL #850 HERITAGE w/ DuraSafe
Short Panel, Jamb Panel, and Flush Panel

DATE 06/10/03
CHECKED BY JAE
DATE 06/10/03
DRAWING NUMBER
INC-6009-120-15
SHEET 1 OF 1

16 GA. GALV. RESIDENTIAL
TOP ROLLER BRACKET
ATTACHED 1/2\"/>

2\"/>

14 GA. RESIDENTIAL
TOP ROLLER BRACKET
ATTACHED 1/2\"/>

ADJUSTABLE SLIDE BRACKET ATTACHED
1/2\"/>

2\"/>

14 GA. RESIDENTIAL
TOP ROLLER BRACKET
ATTACHED 1/2\"/>

ADJUSTABLE SLIDE BRACKET ATTACHED
1/2\"/>

2\"/>

14 GA. RESIDENTIAL
TOP ROLLER BRACKET
ATTACHED 1/2\"/>

ADJUSTABLE SLIDE BRACKET ATTACHED
1/2\"/>

2\"/>

14 GA. RESIDENTIAL
TOP ROLLER BRACKET
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ADJUSTABLE SLIDE BRACKET ATTACHED
1/2\"/>

2\"/>

14 GA. RESIDENTIAL
TOP ROLLER BRACKET
ATTACHED 1/2\"/>

ADJUSTABLE SLIDE BRACKET ATTACHED
1/2\"/>

2\"/>

14 GA. RESIDENTIAL
TOP ROLLER BRACKET
ATTACHED 1/2\"/>

ADJUSTABLE SLIDE BRACKET ATTACHED
1/2\"/>

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14 GA. RESIDENTIAL
TOP ROLLER BRACKET
ATTACHED 1/2\"/>

ADJUSTABLE SLIDE BRACKET ATTACHED
1/2\"/>

2\"/>

14 GA. RESIDENTIAL
TOP ROLLER BRACKET
ATTACHED 1/2\"/>

ADJUSTABLE SLIDE BRACKET ATTACHED
1/2\"/>

2\"/>

14 GA. RESIDENTIAL
TOP ROLLER BRACKET
ATTACHED 1/2\"/>

ADJUSTABLE SLIDE BRACKET ATTACHED
1/2\"/>

2\"/>

14 GA. DURA-SAFE
JAMB ATTACHED
1/2\"/>

HEX HEAD SCREWS
1/2\"/>

HEX HEAD SCREWS
1/2\"/>

HEX HEAD SCREWS
1/2\"/>

HEX HEAD SCREWS
1/2\"/>

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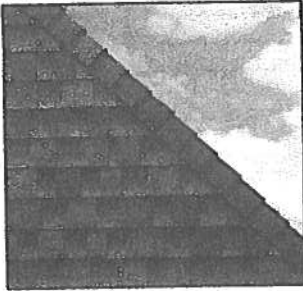
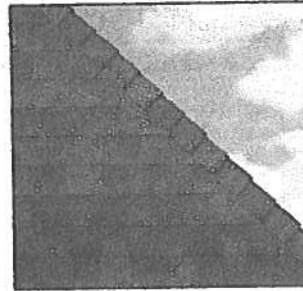
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**ELK**

ROOFING PRODUCTS SPECIFICATIONS – TUSCALOOSA, AL

**PRESTIQUE®
HIGH DEFINITION®****RAISED PROFILE®****Prestique Plus High Definition
and Prestique Gallery Collection™**

Product size _____ 13⅝" x 39⅝"
 Exposure _____ 5⅝"
 Pieces/Bundle _____ 16
 Bundles/Square _____ 4/98.5 sq.ft.
 Squares/Pallet _____ 11

50-year limited warranty period:
 5-7**years non-prorated coverage for
 shingles and application labor with
 prorated coverage for remainder of
 limited warranty period, plus an
 option for transferability*. 5-year
 limited wind warranty*. Wind
 Coverage: standard 80 mph, extended
 110 mph***

Raised Profile

Product size _____ 13⅝" x 38⅝"
 Exposure _____ 5⅝"
 Pieces/Bundle _____ 22
 Bundles/Square _____ 3/100 sq.ft.
 Squares/Pallet _____ 16

30-year limited warranty period:
 5-7**years non-prorated coverage for
 shingles and application labor with
 prorated coverage for remainder of
 limited warranty period, plus an
 option for transferability*. 5-year
 limited wind warranty*. Wind
 Coverage: standard 70 mph.

Prestique I High Definition

Product size _____ 13⅝" x 39⅝"
 Exposure _____ 5⅝"
 Pieces/Bundle _____ 16
 Bundles/Square _____ 4/98.5 sq.ft.
 Squares/Pallet _____ 14

40-year limited warranty period:
 5-7**years non-prorated coverage for
 shingles and application labor with
 prorated coverage for remainder of
 limited warranty period, plus an
 option for transferability*. 5-year
 limited wind warranty*. Wind
 Coverage: standard 80 mph, extended
 90 mph***

HIP AND RIDGE SHINGLES**Seal-A-Ridge® w/FLX™**

Size: 12" x 12"
 Exposure: 6⅝"
 Pieces/Bundle: 45
 Coverage: 4 Bundles =
 100 linear feet

Vented RidgeCrest™ w/FLX™

Size: 13" x 13⅝"
 Exposure: 9⅝"
 Pieces/Box: 26
 Coverage: 5 boxes =
 100 linear feet

Prestique High Definition

Product size _____ 13⅝" x 38⅝"
 Exposure _____ 5⅝"
 Pieces/Bundle _____ 22
 Bundles/Square _____ 3/100 sq.ft.
 Squares/Pallet _____ 16

30-year limited warranty period:
 5-7**years non-prorated coverage for
 shingles and application labor with
 prorated coverage for remainder of
 limited warranty period, plus an
 option for transferability*. 5-year
 limited wind warranty*. Wind
 Coverage: standard 80 mph.

Elk Starter Strip

52 Bundles/Pallet
 18 Pallets/Truck
 936 Bundles/Truck
 19 Pieces/Bundle
 1 Bundle = 120.33 linear feet

Available Colors (Check Availability): Antique Slate, Weatheredwood, Shakedown, Sablewood, Hickory, Barkwood, Forest Green, Wedgewood, Birchwood, Sandalwood.
 Gallery Collection: Balsam Forest™, Weathered Sage™, Sienna Sunset™.

All Prestique, Raised Profile and Seal-A-Ridge, and Prestique Starter Strip roofing products contain sealant which activates with the sun's heat, bonding shingles into a wind and weather resistant cover that resists blow-offs and leaks.

Check for availability with built-in StainGuard® treatment to inhibit the discoloration of roofing granules caused by the growth of certain types of algae.

All Prestique and Raised Profile shingles meet UL® Wind Resistant (UL 997) and Class "A" Fire Ratings (UL 790);
 and ASTM Specifications D 3018, Type-I; D 3161, Type-I; E 108 and the requirements of ASTM D 3462.

All Prestique and Raised Profile shingles have approval from the Florida Building Code Commission, Metro-Dade County, ICBO, and Texas Department of Insurance.

*See actual limited warranty for conditions and limitations.

**Effective January 1, 2004, the seven year non-prorated Umbrella Coverage Period applies only when a full Elk Roof System is installed with the original installation of the Elk shingles, all in accordance with Elk's application instructions for each product. A full Elk roof system includes Elk Hip and Ridge shingles on all hips and ridges, Elk Starter Strip along all rake and eave edges, an Elk ventilation system, and Elk All-Climate Self-Adhering Underlayment in all valleys. Additionally, Elk All-Climate Self-Adhering Underlayment is required along the rake and eave edges of the roof in and north of the states of VA, KY, MD, KS, CO, UT, NV, & OR.
 ***For a limited Wind Warranty up to 110 mph for Prestique Gallery Collection, Prestique Plus, or 90 mph for Prestique I or Grandé, at least six (6) properly placed NAILS and Elk Starter Strip shingles are required. See application instructions printed on the shingle wrapper for additional requirements.

** LAMAR BOOZER **
 900 EAST PUTNAM STREET
 LAKE CITY, FL 32055

PROJECT: CUSTOM
 CLIENT: FREDRICK PERRY
 DATE: 2 22 06

RESIDENTIAL/LIGHT COMMERCIAL HVAC LOADS

DESIGNER: LAMAR BOOZER

CLIENT INFORMATION:

NAME: FREDRICK PERRY
 ADDRESS:
 CITY, STATE: LAKE CITY, FLORIDA

TOTAL BUILDING LOADS:

BLDG. LOAD DESCRIPTIONS	AREA QUAN	SEN. LOSS	LAT. + GAIN	SEN. = GAIN	TOTAL GAIN
3-C WINDOW DBL PANE CLR GLS METL FR	184	6,004	0	10,832	10,832
8-O GLS DOOR DBL CLR GLS METL FR	40	1,305	0	2,896	2,896
12-E WALL R-11 +1/2"EXTPOLY BD(R-2.5)	1,441	4,864	0	2,660	2,660
11-C DOOR METAL POLYSTYRENE CORE	37	783	0	428	428
16-G CEILING R-30 INSULATION	1,960	4,203	0	4,203	4,203
22-A SLAB ON GRADE NO EDGE INSUL	213	7,764	0	0	0
SUBTOTALS FOR STRUCTURE:		3,875	24,923	0	21,019
PEOPLE	19	0	0	5,700	5,700
APPLIANCES	0	0	1,800	1,500	3,300
DUCTWORK	0	1,246	0	2,822	2,822
INFILTRATION W.CFM: 0.0 S.CFM: 0.0	0	0	0	0	0
VENTILATION W.CFM: 0.0 S.CFM: 0.0	0	0	0	0	0
SENSIBLE GAIN TOTAL				31,041	
TEMP. SWING MULTIPLIER				X 1.00	
BUILDING LOAD TOTALS		26,169	1,800	31,041	32,841

SUPPLY CFM AT 20 DEG DT: 1,411 CFM PER SQUARE FOOT: 0.499
 SQUARE FT. OF ROOM AREA: 1,960 SQUARE FOOT PER TON: 1,034.073

TOTAL HEATING REQUIRED WITH OUTSIDE AIR: 26.169 MBH
 TOTAL COOLING REQUIRED WITH OUTSIDE AIR: 3.737 TONS

CALCULATIONS ARE BASED ON 7TH EDITION OF ACCA MANUAL J.
 ALL COMPUTED RESULTS ARE ESTIMATES AS BUILDING USE AND WEATHER MAY VARY.
 BE SURE TO SELECT A UNIT THAT MEETS BOTH SENSIBLE AND LATENT LOADS.

RESIDENTIAL MINIMUM PLAN REQUIREMENTS AND CHECKLIST FOR FLORIDA BUILDING CODE 2004 and FLORIDA RESIDENTIAL CODE 2004 WITH AMENDMENTS ONE (1) AND TWO (2) FAMILY DWELLINGS

ALL REQUIREMENTS ARE SUBJECT TO CHANGE
EFFECTIVE OCTOBER 1, 2005

ALL BUILDING PLANS MUST INDICATE THE FOLLOWING ITEMS AND INDICATE COMPLIANCE WITH CHAPTER 16 OF THE FLORIDA BUILDING CODE 2004 BY PROVIDING CALCULATIONS AND DETAILS THAT HAVE THE SEAL AND SIGNATURE OF A CERTIFIED ARCHITECT OR ENGINEER REGISTERED IN THE STATE OF FLORIDA, OR ALTERNATE METHODOLOGIES, APPROVED BY THE STATE OF FLORIDA BUILDING COMMISSION FOR ONE-AND-TWO FAMILY DWELLINGS. FOR DESIGN PURPOSES THE FOLLOWING BASIC WIND SPEED AS PER FIGURE 1609 SHALL BE USED.

WIND SPEED LINE SHALL BE DEFINED AS FOLLOWS: THE CENTERLINE OF INTERSTATE 75.

1. ALL BUILDINGS CONSTRUCTED EAST OF SAID LINE SHALL BE ——— 100 MPH
2. ALL BUILDINGS CONSTRUCTED WEST OF SAID LINE SHALL BE ——— 110 MPH
3. NO AREA IN COLUMBIA COUNTY IS IN A WIND BORNE DEBRIS REGION

APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL

GENERAL REQUIREMENTS: Two (2) complete sets of plans containing the following:

Applicant **Plans Examiner**

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All drawings must be clear, concise and drawn to scale ("Optional " details that are not used shall be marked void or crossed off). Square footage of different areas shall be shown on plans.

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Designers name and signature on document (FBC 106.1). If licensed architect or engineer, official seal shall be affixed.

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Site Plan including:

- a) Dimensions of lot
- b) Dimensions of building set backs
- c) Location of all other buildings on lot, well and septic tank if applicable, and all utility easements.
- d) Provide a full legal description of property.

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Wind-load Engineering Summary, calculations and any details required

Plans or specifications must state compliance with FBC Section 1609.

The following information must be shown as per section 1603.1.4 FBC

- a. Basic wind speed (3-second gust), miles per hour (km/hr).
- b. Wind importance factor, I_w , and building classification from Table 1604.5 or Table 6-1, ASCE 7 and building classification in Table 1-1, ASCE 7.
- c. Wind exposure, if more than one wind exposure is utilized, the wind exposure and applicable wind direction shall be indicated.
- d. The applicable enclosure classifications and, if designed with ASCE 7, internal pressure coefficient.
- e. Components and Cladding. The design wind pressures in terms of psf (kN/m^2) to be used for the design of exterior component and cladding materials not specifically designed by the registered design professional.

Elevations including:

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a) All sides

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b) Roof pitch

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c) Overhang dimensions and detail with attic ventilation

- a. Attic space
- b. Exterior wall cavity
- c. Crawl space (if applicable)

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b) Wood frame wall

1. All materials making up wall
2. Size and species of studs
3. Sheathing size, type and nailing schedule
4. Headers sized
5. Gable end showing balloon framing detail or gable truss and wall hinge bracing detail
6. All required fasteners for continuous tie from roof to foundation (truss anchors, straps, anchor bolts and washers) shall be designed by a Windload engineer using the engineered roof truss plans.
7. Roof assembly shown here or on roof system detail (FBC 106.1.1.2) Roofing system, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating)
8. Fire resistant construction (if applicable)
9. Fireproofing requirements
10. Show type of termite treatment (termicide or alternative method)
11. Slab on grade
 - a. Vapor retarder (6Mil. Polyethylene with joints lapped 6 inches and sealed
 - b. Must show control joints, synthetic fiber reinforcement or welded wire fabric reinforcement and supports
12. Indicate where pressure treated wood will be placed
13. Provide insulation R value for the following:
 - a. Attic space
 - b. Exterior wall cavity
 - c. Crawl space (if applicable)

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c) Metal frame wall and roof (designed, signed and sealed by Florida Prof. Engineer or Architect)

Floor Framing System:

- a) Floor truss package including layout and details, signed and sealed by Florida Registered Professional Engineer
- b) Floor joist size and spacing
- c) Girder size and spacing
- d) Attachment of joist to girder
- e) Wind load requirements where applicable

Plumbing Fixture layout

Electrical layout including:

- a) Switches, outlets/receptacles, lighting and all required GFCI outlets identified
- b) Ceiling fans
- c) Smoke detectors
- d) Service panel and sub-panel size and location(s)
- e) Meter location with type of service entrance (overhead or underground)
- f) Appliances and HVAC equipment
- g) Arc Fault Circuits (AFCI) in bedrooms
- h) Exhaust fans in bathroom

HVAC information

- a) Energy Calculations (dimensions shall match plans)
- b) Manual J sizing equipment or equivalent computation
- c) Gas System Type (LP or Natural) Location and BTU demand of equipment

Disclosure Statement for Owner Builders

*****Notice Of Commencement Required Before Any Inspections Will Be Done Private Potable Water**

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- a) Size of pump motor
- b) Size of pressure tank
- c) Cycle stop valve if used

THE FOLLOWING ITEMS MUST BE SUBMITTED WITH BUILDING PLANS

1. **Building Permit Application:** A current Building Permit Application form is to be completed and submitted for all residential projects.
2. **Parcel Number:** The parcel number (Tax ID number) from the Property Appraiser (386) 758-1084 is required. A copy of property deed is also requested.
3. **Environmental Health Permit or Sewer Tap Approval:** A copy of the Environmental Health permit, existing septic approval or sewer tap approval is required before a building permit can be issued. (386) 758-1058 (Toilets facilities shall be provided for construction workers)
4. **City Approval:** If the project is to be located within the city limits of the Town of Fort White, prior approval is required. The Town of Fort White approval letter is required to be submitted by the owner or contractor to this office when applying for a Building Permit. (386) 497-2321
5. **Flood Information:** All projects within the Floodway of the Suwannee or Santa Fe Rivers shall require permitting through the Suwannee River Water Management District, before submitting application to this office. Any project located within a flood zone where the base flood elevation (100 year flood) has been established shall meet the requirements of Section 8.8 of the Columbia County Land Development Regulations. Any project located within a flood zone where the base flood elevation has not been established (Zone A) shall meet the requirements of Section 8.7 of the Columbia County Land Development Regulations. **CERTIFIED FINISHED FLOOR ELEVATIONS WILL BE REQUIRED ON ANY PROJECT WHERE THE BASE FLOOD ELEVATION (100 YEAR FLOOD) HAS BEEN ESTABLISHED.**
A development permit will also be required. Development permit cost is \$50.00
6. **Driveway Connection:** If the property does not have an existing access to a public road, then an application for a culvert permit (\$25.00) must be made. If the applicant feels that a culvert is not needed, they may apply for a culvert waiver (\$50.00). All culvert waivers are sent to the Columbia County Public Works Department for approval or denial. **If the project is to be located on a F.D.O.T. maintained road, than an F.D.O.T. access permit is required.**
7. **911 Address:** If the project is located in an area where the 911 address has been issued, then the proper paperwork from the 911 Addressing Department must be submitted. (386) 752-8787

ALL REQUIRED INFORMATION IS TO BE SUBMITTED FOR REVIEW. YOU WILL BE NOTIFIED WHEN YOUR APPLICATION AND PLANS ARE APPROVED AND READY TO PERMIT. PLEASE DO NOT EXPECT OR REQUEST THAT PERMIT APPLICATIONS BE REVIEWED OR APPROVED WHILE YOU ARE HERE – TIME WILL NOT ALLOW THIS –PLEASE DO NOT ASK

Location: _____**Project Name:** _____

As required by Florida Statute 553.842 and Florida Administrative Code 9B-72, please provide the information and the product approval number(s) on the building components listed below if they will be utilized on the construction project for which you are applying for a building permit on or after April 1, 2004. We recommend you contact your local product supplier should you not know the product approval number for any of the applicable listed products. More information about statewide product approval can be obtained at www.floridabuilding.org

Category/Subcategory	Manufacturer	Product Description	Approval Number(s)
A. EXTERIOR DOORS			
1. Swinging			
2. Sliding			
3. Sectional			
4. Roll up			
5. Automatic			
6. Other			
B. WINDOWS			
1. Single hung			
2. Horizontal Slider			
3. Casement			
4. Double Hung			
5. Fixed			
6. Awning			
7. Pass-through			
8. Projected			
9. Mullion			
10. Wind Breaker			
11 Dual Action			
12. Other			
C. PANEL WALL			
1. Siding			
2. Soffits			
3. EIFS			
4. Storefronts			
5. Curtain walls			
6. Wall louver			
7. Glass block			
8. Membrane			
9. Greenhouse			
10. Other			
D. ROOFING PRODUCTS			
1. Asphalt Shingles			
2. Underlayments			
3. Roofing Fasteners			
4. Non-structural Metal Rf			
5. Built-Up Roofing			
6. Modified Bitumen			
7. Single Ply Roofing Sys			
8. Roofing Tiles			
9. Roofing Insulation			
10. Waterproofing			
11. Wood shingles /shakes			
12. Roofing Slate			

13. Liquid Applied Roof Coatings			
14. Cements-Adhesives – Coatings			
15. Roof Tile Adhesive			
16. Spray Applied Polyurethane Roof			
17. Other			
E. SHUTTERS			
1. Accordion			
2. Bahama			
3. Storm Panels			
4. Colonial			
5. Roll-up			
6. Equipment			
7. Others			
F. SKYLIGHTS			
1. Skylight			
2. Other			
G. STRUCTURAL COMPONENTS			
1. Wood connector/anchor			
2. Truss plates			
3. Engineered lumber			
4. Railing			
5. Coolers-freezers			
6. Concrete Admixtures			
7. Material			
8. Insulation Forms			
9. Plastics			
10. Deck-Roof			
11. Wall			
12. Sheds			
13. Other			
H. NEW EXTERIOR ENVELOPE PRODUCTS			
1.			
2.			

The products listed below did not demonstrate product approval at plan review. I understand that at the time of inspection of these products, the following information must be available to the inspector on the jobsite; 1) copy of the product approval, 2) the performance characteristics which the product was tested and certified to comply with, 3) copy of the applicable manufacturers installation requirements.

I understand these products may have to be removed if approval cannot be demonstrated during inspection

Contractor or Contractor's Authorized Agent Signature

Print Name

Date

Location

Permit # (FOR STAFF USE ONLY)

NOTICE:

ADDRESSES BY APPOINTMENT ONLY!

TO OBTAIN A 9-1-1 ADDRESS THE REQUESTER MUST CONTACT THE COLUMBIA COUNTY 9-1-1 ADDRESSING DEPARTMENT AT (386) 752-8787 FOR AN APPOINTMENT TIME AND DATE:

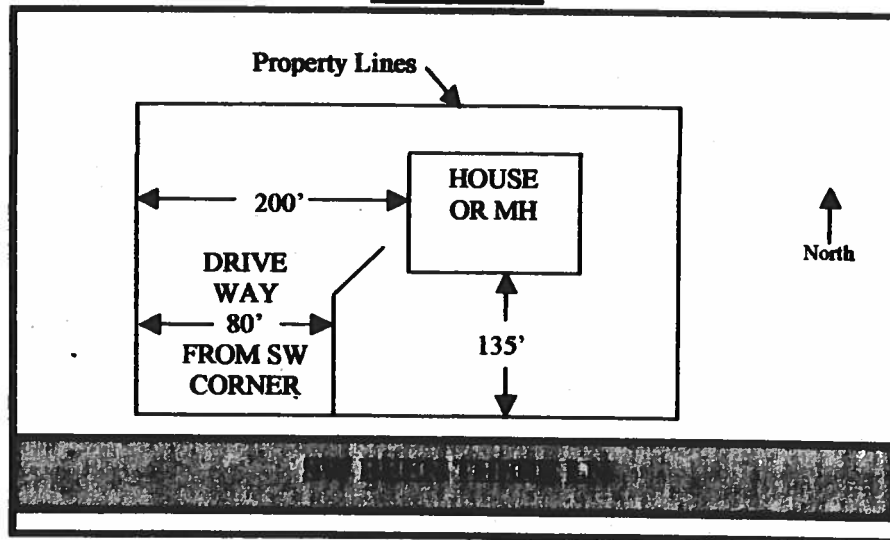
YOU CAN NOT OBTAIN A NEW ADDRESS OVER THE TELEPHONE. MUST MAKE AN APPOINTMENT!

THE ADDRESSING DEPARTMENT IS LOCATED AT 263 NW LAKE CITY AVENUE (OFF OF WEST U.S. HIGHWAY 90 WEST OF INTERSTATE 75 AT THE COLUMBIA COUNTY EMERGENCY OPERATIONS CENTER).

THE REQUESTER WILL NEED THE FOLLOWING:

1. THE PARCEL OR TAX ID NUMBER (SAMPLE: "25-4S-17-12345-123" OR "R12345-123) FOR THE PROPERTY.
2. A PLAT, PLAN, SITE PLAN, OR DRAWING SHOWING THE PROPERTY LINES OF THE PARCEL.
 - a. LOCATION OF PLANNED RESIDENT OR BUSINESS STRUCTURE ON THE PROPERTY WITH DISTANCES FROM TWO OF THE PROPERTY LINES TO THE STRUCTURE (SEE SAMPLE BELOW).
 - b. LOCATION OF THE ACCESS POINT (DRIVEWAY, ETC.) ON THE ROADWAY FROM WHICH LOCATION IS TO BE ADDRESSED WITH A DISTANCE FROM A PARALLEL PROPERTY LINE AND OR PROPERTY CORNER (SEE SAMPLE BELOW).
 - c. TRAVEL OF THE DRIVEWAY FROM THE ACCESS POINT TO THE STRUCTURE (SEE SAMPLE BELOW).

SAMPLE:



NOTE: 5 TO 7 WORKING DAYS MAY BE REQUIRED IF ADDRESSING DEPARTMENT NEEDS TO CONDUCT AN ON SITE SURVEY.

Alpine Engineered Products, Inc.

1950 Marley Drive Haines City, FL 33844
Florida Engineering Certificate of Authorization Number: 567
Florida Certificate of Product Approval # FL1999
Page 1 of 1 Document ID:1SVA487-Z0106162850

Truss Fabricator: Anderson Truss Company
Job Identification: 6-100--Doug Morgan Construction #7 Stonehenge -- , **
Truss Count: 35
Model Code: Florida Building Code 2004
Truss Criteria: ANSI/TPI-2002(STD)/FBC
Engineering Software: Alpine Software, Version 7.24.
Structural Engineer of Record:
Address:
Minimum Design Loads: Roof - 40.0 PSF @ 1.25 Duration
Floor - N/A
Wind - 110 MPH ASCE 7-02 -Closed

Notes:

1. Determination as to the suitability of these truss components for the structure is the responsibility of the building designer/engineer of record, as defined in ANSI/TPI 1
2. The drawing date shown on this index sheet must match the date shown on the individual truss component drawing.
3. As shown on attached drawings; the drawing number is preceded by: HCUSR487

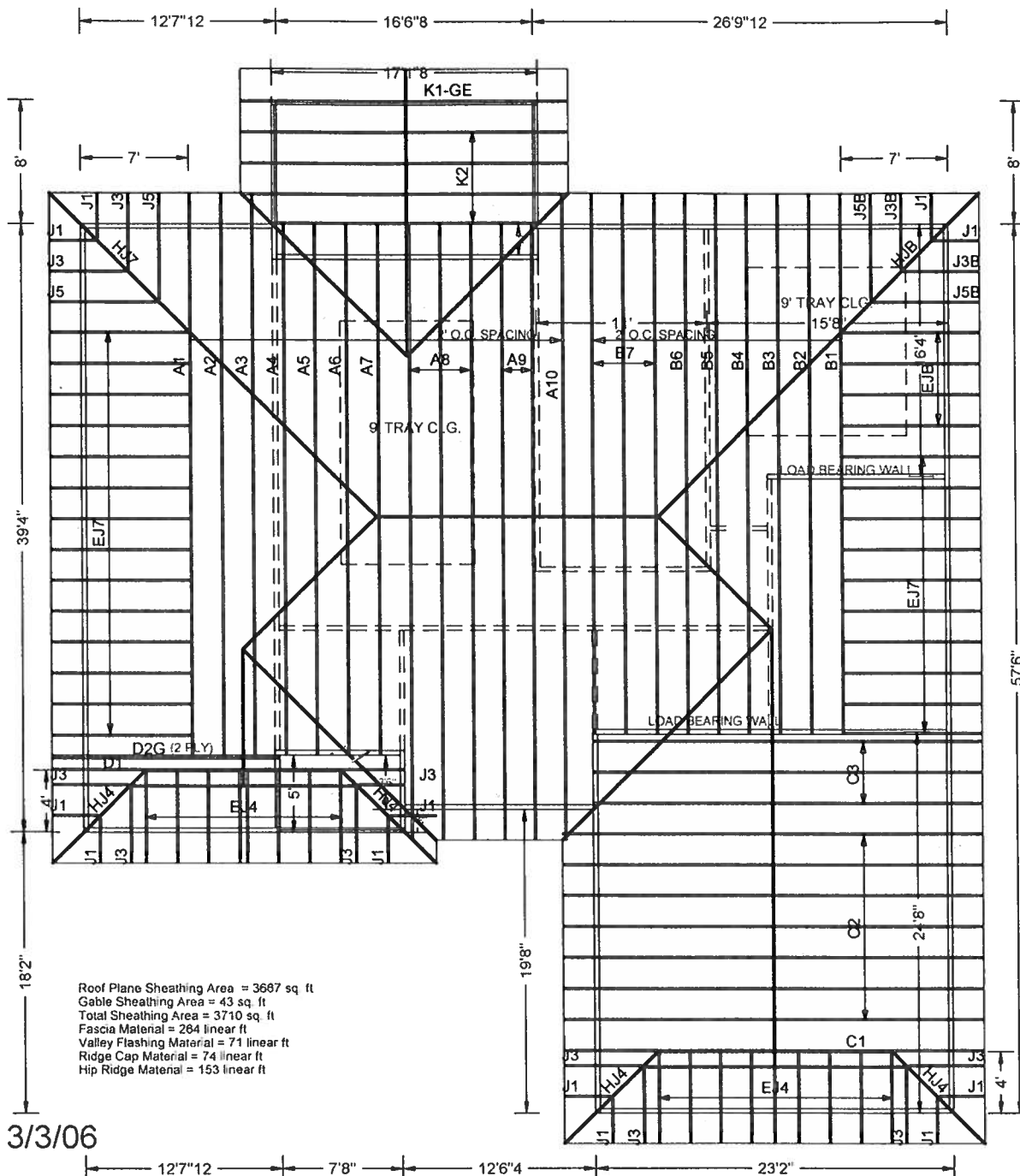
Details: BRCLBSUB-CNBRGBLK-A11015EE-GBLLETIN-

Seal Date: 03/06/2006

-Truss Design Engineer-
Arthur R. Fisher
Florida License Number: 59687
1950 Marley Drive
Haines City, FL 33844

#	Ref	Description	Drawing#	Date
1	18149--A1		06065105	03/06/06
2	18150--A2		06065106	03/06/06
3	18151--A3		06065107	03/06/06
4	18152--A4		06065108	03/06/06
5	18153--A5		06065109	03/06/06
6	18154--A6		06065110	03/06/06
7	18155--A7		06065111	03/06/06
8	18156--A8		06065112	03/06/06
9	18157--A9		06065113	03/06/06
10	18158--A10		06065114	03/06/06
11	18159--B1		06065115	03/06/06
12	18160--B2		06065116	03/06/06
13	18161--B3		06065117	03/06/06
14	18162--B4		06065118	03/06/06
15	18163--B5		06065119	03/06/06
16	18164--B6		06065120	03/06/06
17	18165--B7		06065121	03/06/06
18	18166--C1		06065122	03/06/06
19	18167--C2		06065123	03/06/06
20	18168--C3		06065124	03/06/06
21	18169--D1		06065125	03/06/06
22	18170--D2G		06065126	03/06/06
23	18171--HJ7		06065127	03/06/06
24	18172--EJ7		06065128	03/06/06
25	18173--HJ4		06065129	03/06/06
26	18174--EJ4		06065130	03/06/06
27	18175--HJB		06065131	03/06/06
28	18176--EJB		06065132	03/06/06
29	18177--J38		06065133	03/06/06
30	18178--J58		06065134	03/06/06
31	18179--J5		06065135	03/06/06
32	18180--J3		06065136	03/06/06
33	18181--J1		06065137	03/06/06
34	18182--K1-GE		06065138	03/06/06
35	18183--K2		06065139	03/06/06





3/3/06

#6-100 DOUG MORGAN CONSTRUCTION - LOT#7 STONEHENGE II

Scale: 3/32" = 1'

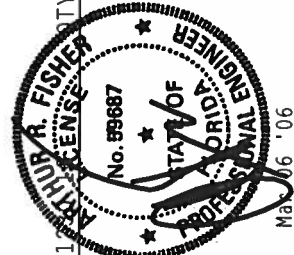
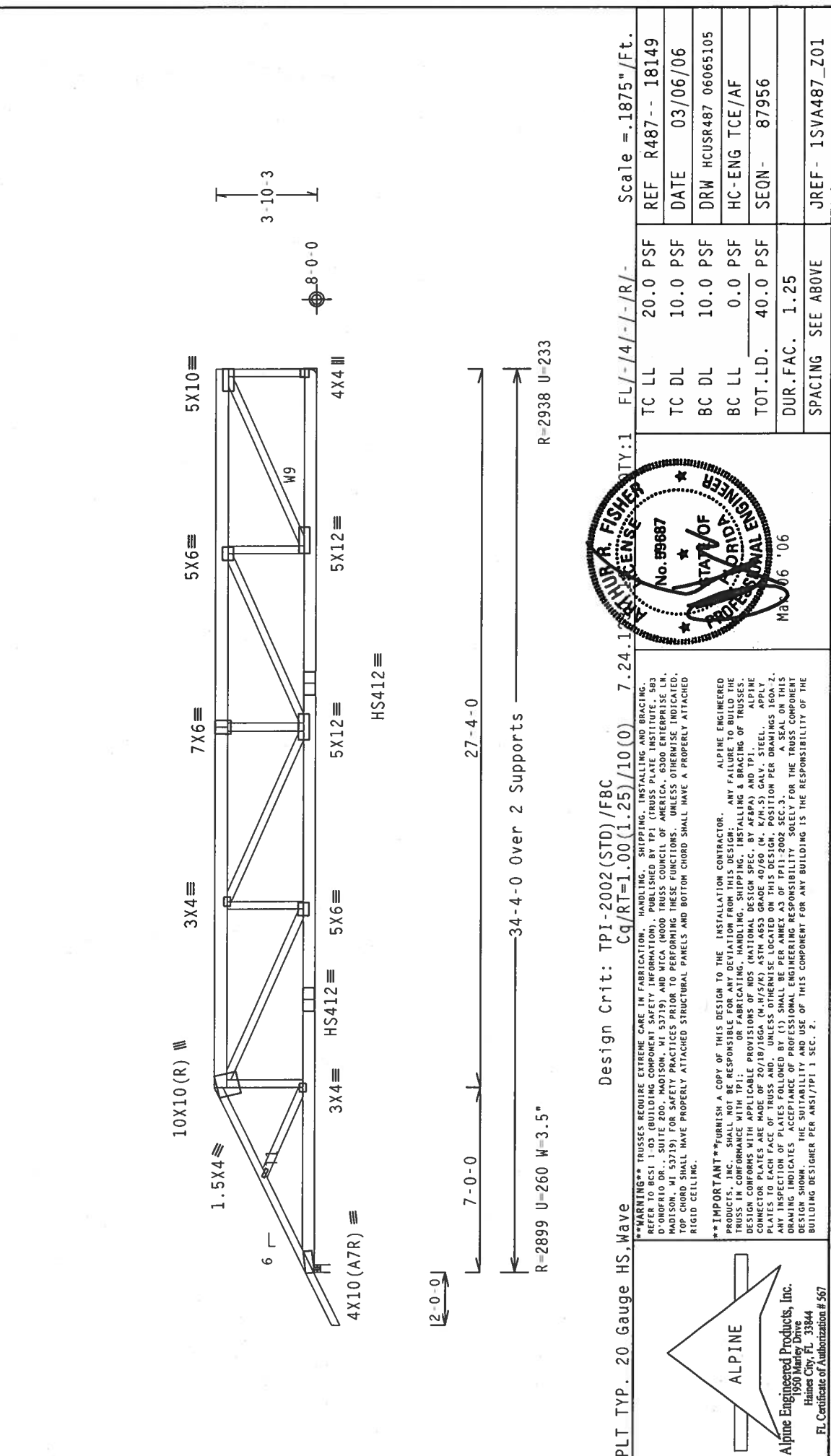
623-5541

Top chord 2x6 SP #1 Dense :T1 2x4 SP #2 Dense:
Bot chord 2x6 SP #1 Dense
Webs 2x4 SP #3 :W9 2x4 SP #2 Dense:

In lieu of structural panels or rigid ceiling use purlins to
brace TC @ 24" OC, BC @ 24" OC.
Deflection meets L/360 live and L/240 total load. Creep increase
factor for dead load is 1.50.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located
anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC
DL=5.0 psf.

Right end vertical not exposed to wind pressure.
#1 hip supports 7-0-0 jacks with no webs.



PLT TYP. 20 Gauge HS.Wave	Design Crit: TPI-2002(STD)/FBC Cq/RT=1.00(1.25)/(10.0) 7.24.1	FL/-/4/-/R/-	Scale = .1875"/Ft.
REF R487--	18149	TC LL 20.0 PSF	
DATE 03/06/06		TC DL 10.0 PSF	
DRW HCUSR487	06065105	BC DL 10.0 PSF	
HC-ENG TCE/AF		BC LL 0.0 PSF	
SEQN- 87956		TOT.LD. 40.0 PSF	
DUR.FAC. 1.25			
SPACING SEE ABOVE			
JREF- 1SVA487_Z01			

ALPINE

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Haines City, FL 33844
FL Certificate of Authorization # 567

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 6300 ENTERPRISE LN., MADISON, WI 53719, FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/16GA (M-H/S/K) ASTM A653 GRADE 40/60 (M. K/H-S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AF&PA 3.3 OF TPI-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES THE DESIGNER'S RESPONSIBILITY. SOLELY FOR THE TRUSS COMPONENT DESIGNER'S USE. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

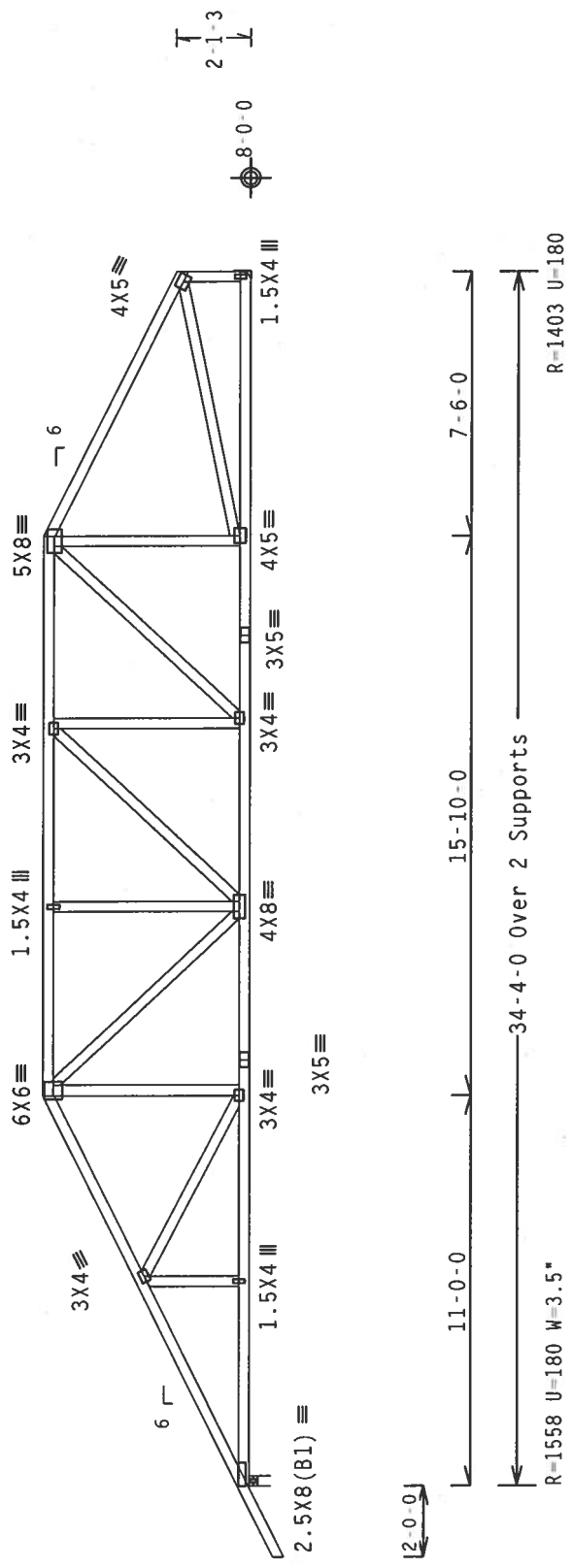
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

In lieu of structural panels or rigid ceiling use purlins to
brace TC @ 24" OC, BC @ 24" OC.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not
located within 4.50 ft from roof edge, CAT II, EXP B, wind TC
DL=5.0 psf, wind BC DL=5.0 psf.

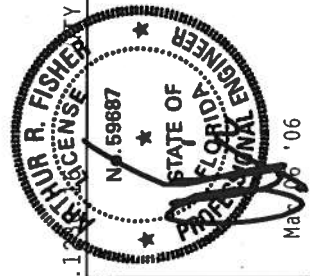
Right end vertical not exposed to wind pressure.

Deflection meets L/360 live and L/240 total load. Creep increase
factor for dead load is 1.50.



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/(10.0)

PLT TYP. Wave	Scale = .1875"/Ft.
REF R487 --	18151
DATE	03/06/06
DRW HCUSR487	06065107
HC-ENG TCE/AF	
SEQN-	87972
DUR.FAC.	1.25
SPACING	24.0"
JREF-	1SVA487_Z01

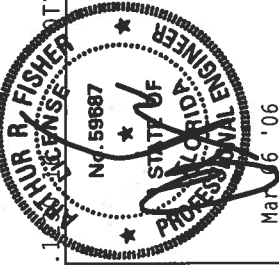


****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 583 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719, AND NCEA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/16GA (M/H/S/K) ASTM A653 GRADE 40/60 (M. K/H-S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMEX A3 OF TPI-2002 SEC.3. A SEAL ON THIS DESIGN SHOWS THE SIGNATURE OF A PROFESSIONAL ENGINEER. THE USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

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Haines City, FL 33844
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Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.



PLT TYP. Wave

***IMPORTANT**FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERS
TRUSS IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING. ANY FAILURE TO BUILD THE
DESIGN CONFORMS WITH ALL THE PROVISIONS OF THIS NATIONAL DESIGN SPEC. BY AFPA) AND TPI. ALPINE
DESIGNER SHALL BE RESPONSIBLE FOR THE DESIGN OF THE TRUSS AND THE PLATES TO EACH FACE OF THE TRUSS. UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER ANNEKS 160A-2.
ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A.3 OF TPI1-2002 SEC.3. A SEAL ON THIS
DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. SOLELY FOR THE TRUSS COMPONENT
OF THIS CONVENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANNEX (TPI) 1 SEC.2.

Mar 16 '06

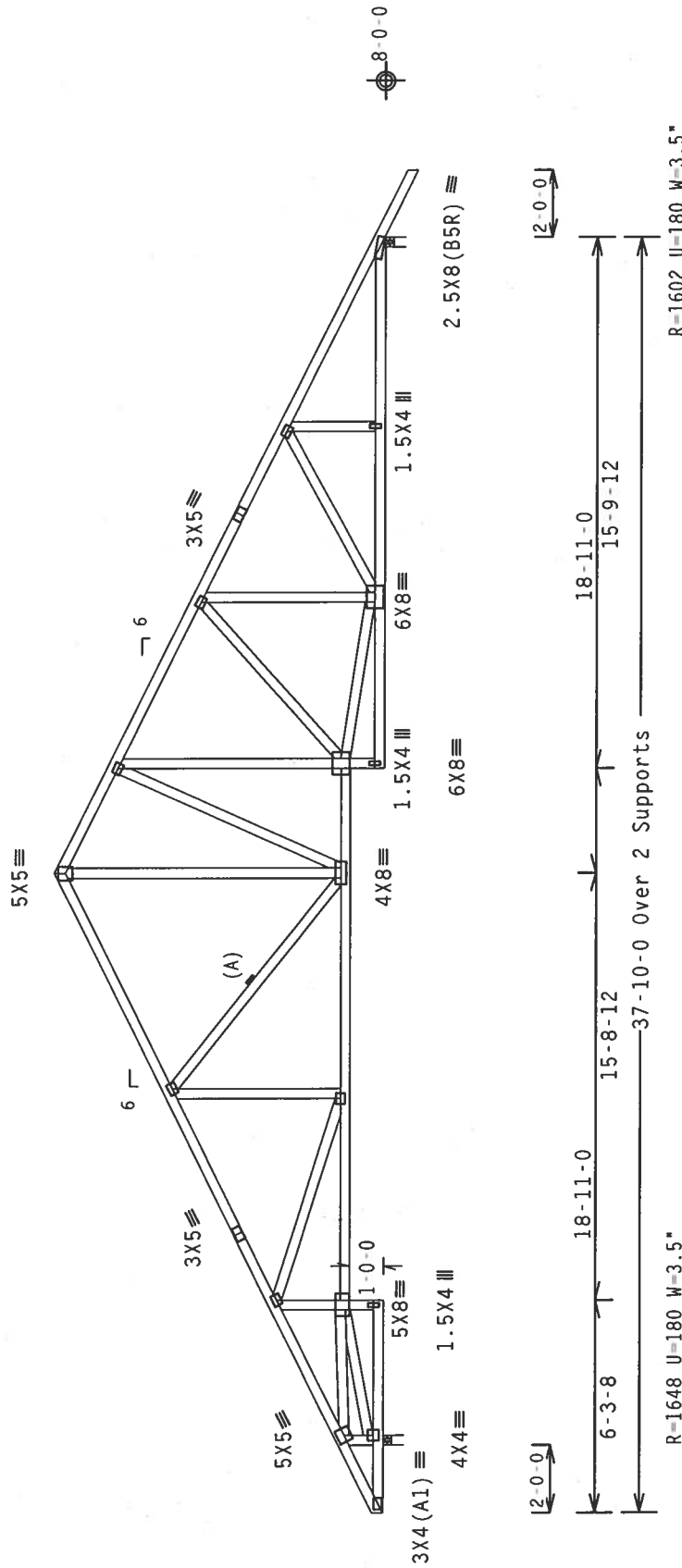
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL-5.0 psf, wind BC DL-5.0 psf.

(A) Continuous lateral bracing equally spaced on member.

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.



Note: All Plates Are 3x4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

Cq/RT=1.00(1.25)/10(0) 7.24

Scale = .1875"/Ft.

TY:1 FL/-/4/-/R/-

TC LL 20.0 PSF

TC DL 10.0 PSF

BC DL 10.0 PSF

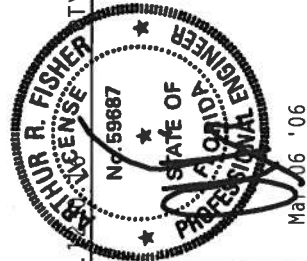
BC LL 0.0 PSF

TOT.LD. 40.0 PSF

DUR.FAC. 1.25

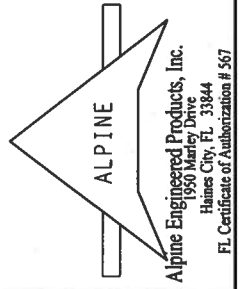
SPACING 24.0"

REF	R487--	18156
DATE	03/06/06	
DRW	HCUSR487	06065112
HC-ENG	TCE/AF	
SEQN	88038	
JREF	1SVA487_Z01	



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51.03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719) AND MICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/16GA (M-H/S/K) ASTM A653 GRADE 40/60 (M, K/H-S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 16GA 2. INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002, SEC.3.1. A SEAL ON THIS DRAWING INDICATES THE DESIGNER'S RESPONSIBILITY FOR THE TRUSS COMPONENT DESIGN. SHOW THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



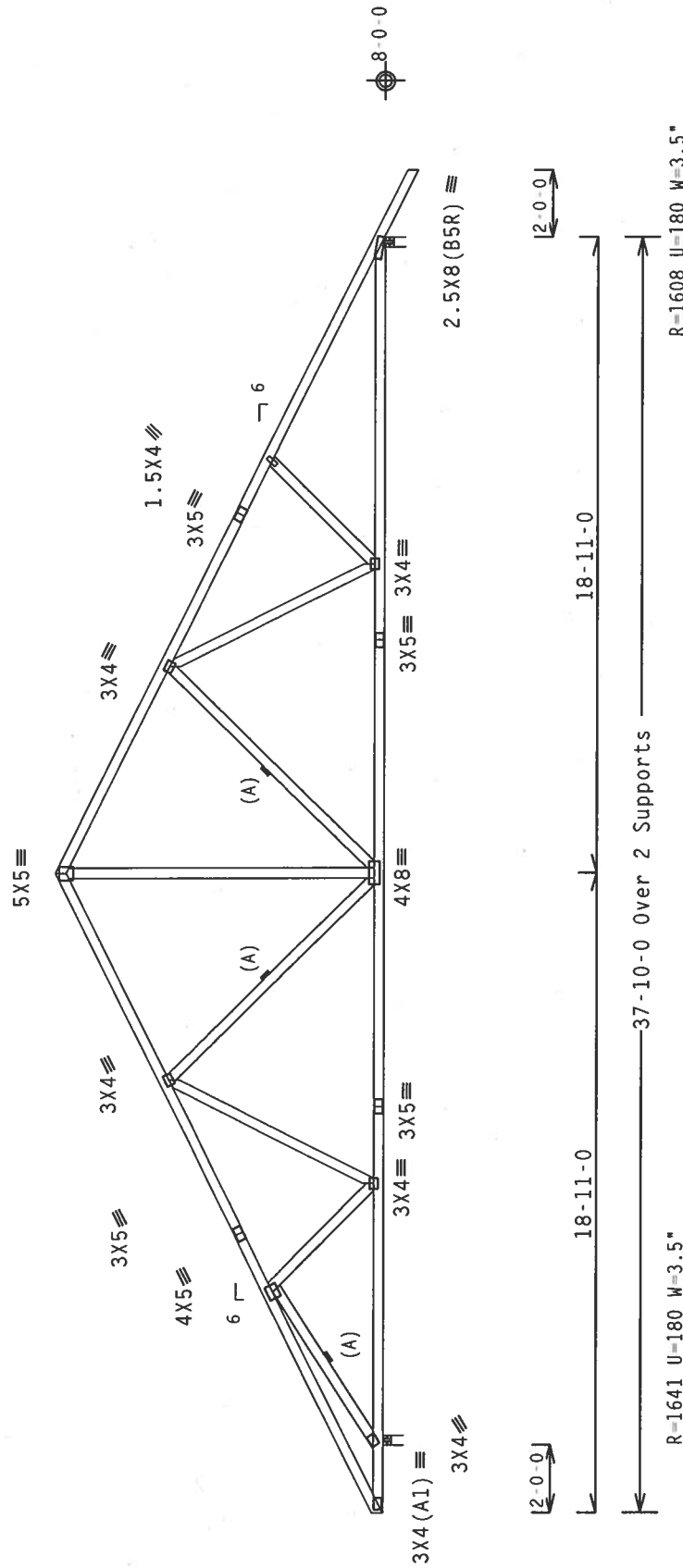
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

(A) Continuous lateral bracing equally spaced on member.

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.



Design Crit: TPI-2002(STD)/FBC

Scale = .1875"/Ft.

FL/-/4/-/R/-

TC LL 20.0 PSF

TC DL 10.0 PSF

BC DL 10.0 PSF

BC LL 0.0 PSF

TOT.LD. 40.0 PSF

DUR.FAC. 1.25

SPACING 24.0"

REF R487-- 18157

DATE 03/06/06

DRW HCUSR487 06065113

HC-ENG TCE/AF

SEQN- 88019

JREF- 1SVA487_Z01

PLT TYP. Wave

ALPINE

Alpine Engineered Products, Inc.

1950 Marley Drive

Haines City, FL 33844

FL Certificate of Authorization # 567



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI 1.03 (BUILDING COMPONENT SAFETY INFORMATION). PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFIO DR., SUITE 200, MADISON, WI 53719) AND MICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (N-H/S/K) ASTM A653 GRADE 40/60 (N, K/H-S) GALV. STEEL. APPLY PLATES EACH END OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY FOR THE TRUSS OR OTHER DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

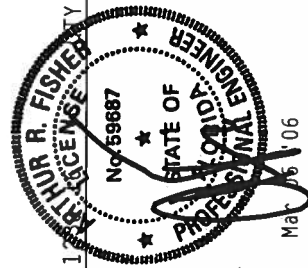
Mar 06 '06

FL/-/4/-/-R/-	Scale = .25" / Ft.	
TC LL	20.0 PSF	REF R487 - - 1815
TC DL	10.0 PSF	DATE 03/06/06
BC DL	10.0 PSF	DRW HCUSR487 06065
BC LL	0.0 PSF	HC-ENG TCE/AF
TOT.LD.	40.0 PSF	SEQN- 88110
DUR.FAC.	1.25	
SPACING	SEE ABOVE	JREF- 1SVA487 Z0

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.



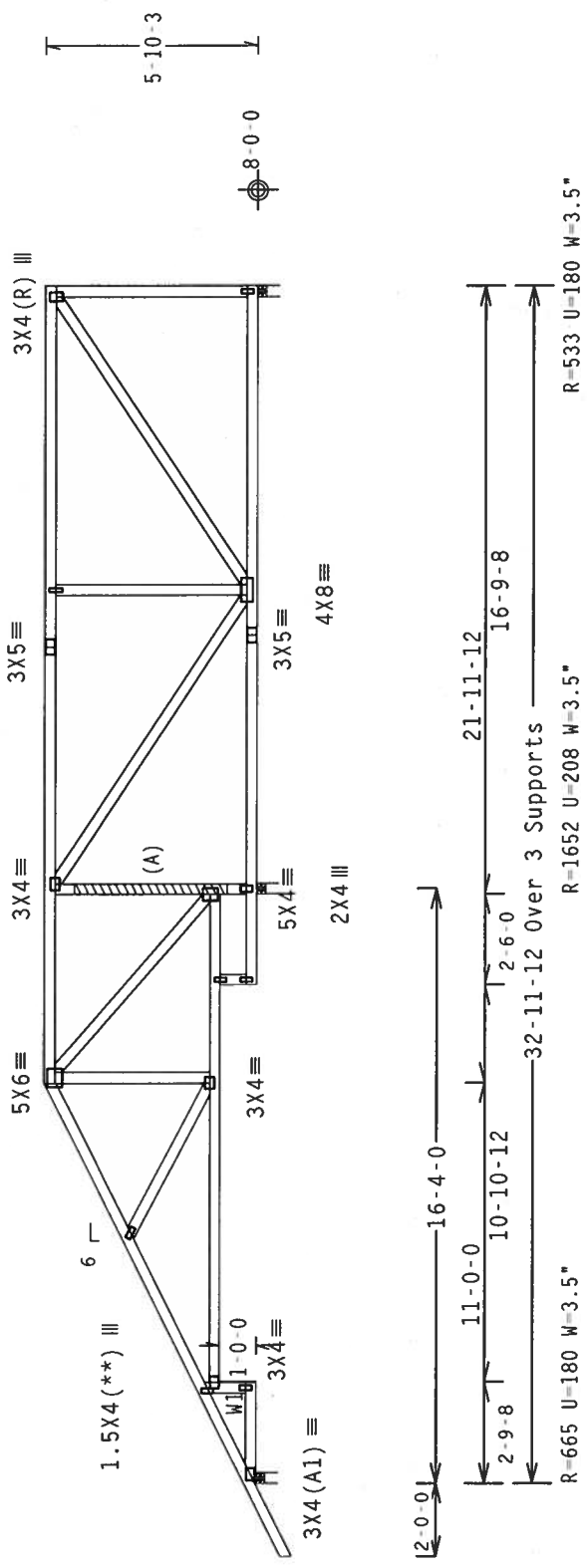
FL Certificate of Authorization # S67
Haines City, FL 33844



Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3 :W1 2x4 SP #2 Dense:
Calculated horizontal deflection is 0.13" due to live load and 0.21" due to dead load.

(A) (2) #3 or better scab braces. Same size & 80% length of web member. Attach one to each face w/10d Box or Gun (0.128"x3", min.) nails @ 6" OC.
Laterally brace BC at 24" OC in lieu of rigid ceiling.
Laterally brace BC above filler at 24" OC including a lateral brace at chord ends.

(**) 1 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.
Right end vertical not exposed to wind pressure.
Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.



Note: All Plates Are 1.5X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.24 1.25

PLT TYP. Wave

Scale = .1875"/Ft.

REF	R487 --	18161
DATE	03/06/06	
DRW	HCUSR487	06065117
HC-ENG	TCE/AF	
SEQN	88129	
DUR.FAC.	1.25	
SPACING	24.0"	

JREF- 1SVA487_Z01

ALPINE

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1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # 567

WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY THE BUILDING SAFETY INSTITUTE, 10000 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719, AND NETA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI1 OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/16GA (M-H/S/K) ASTM A653 GRADE 40/60 (M. K/H-S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI1 2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT FABRICATED BY THE SUBMITTER. THE SUBMITTER'S USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

Mar 06 '06

THOMAS R. FISHER
No. 59687
STATE OF FLORIDA
PROFESSIONAL ENGINEER

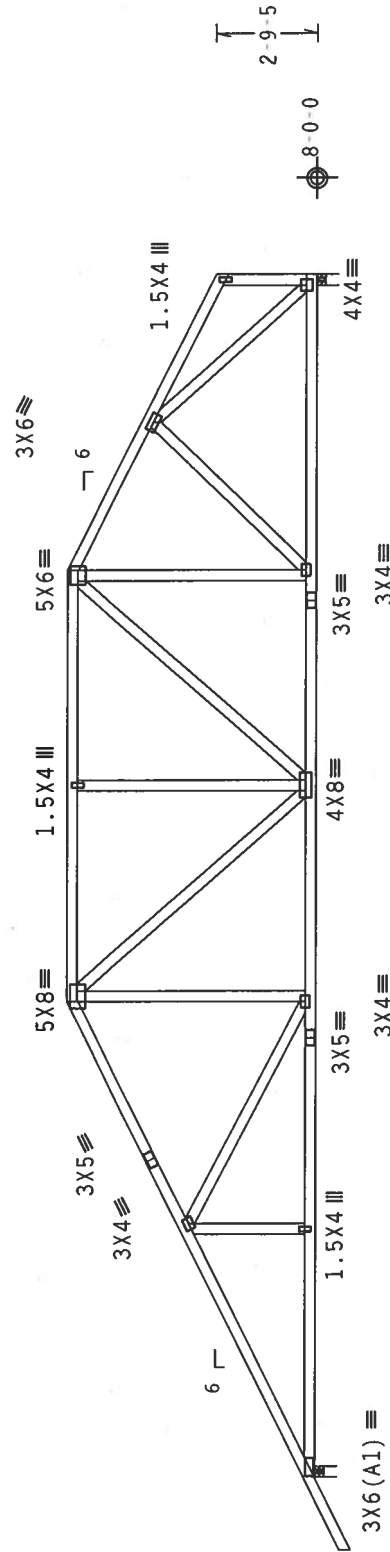
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

In lieu of structural panels or rigid ceiling use purlins to
brace TC @ 24" OC, BC @ 24" OC.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not
located within 4.50 ft from roof edge, CAT II, EXP B, wind TC
DL=5.0 psf, wind BC DL=5.0 psf.

Right end vertical not exposed to wind pressure.

Deflection meets L/360 live and L/240 total load. Creep increase
factor for dead load is 1.50.



12-0-0

13-0-0

11-10-0

8-1-12

32-11-12 Over 2 Supports

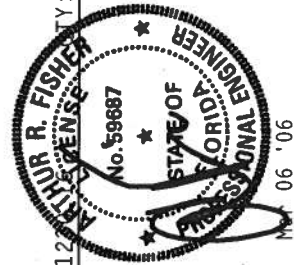
R-1502 U-180 W-3.5"

R-1347 U-180 W-3.5"

Design Crit: TPI-2002(STD)/FBC

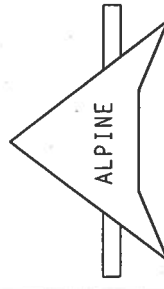
Scale = .1875"/Ft.

TC LL	20.0 PSF	REF	R487 --	18162
TC DL	10.0 PSF	DATE	03/06/06	
BC DL	10.0 PSF	DRW	HCUSR487	06065118
BC LL	0.0 PSF	HC-ENG	TCE/AF	*
TOT.LD.	40.0 PSF	SEQN-	88072	
DUR.FAC.	1.25			
SPACING	24.0"	JREF-	1SVA487_Z01	



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 O'DONOHIO DR., SUITE 200, MADISON, WI 53719) AND MICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC, BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/16GA (M-H/S/K) ASTM A653 GRADE 40/60 (M, K/H-S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. A SEAL ON THIS DESIGN SHOWS THE SIGNATURE OF A PROFESSIONAL ENGINEER RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN. THE SIGNATURE AND SEAL OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



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Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

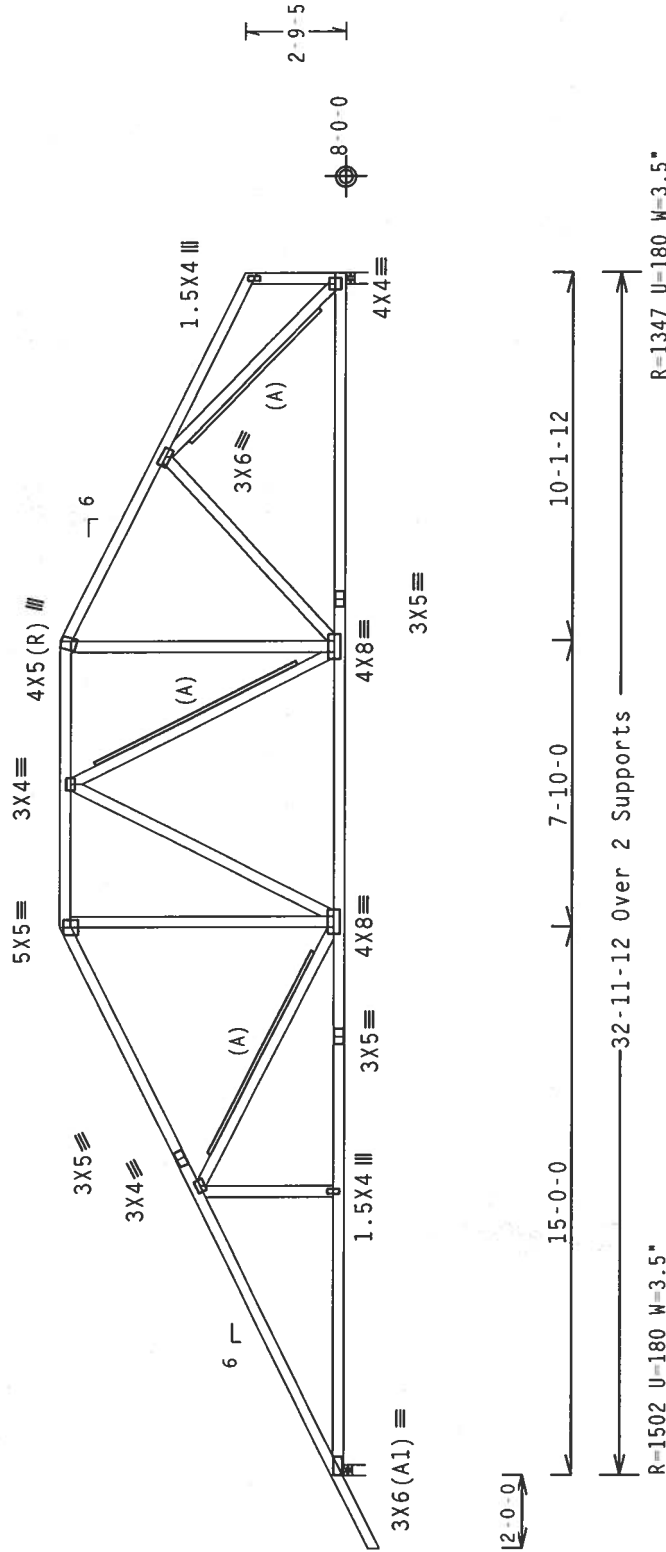
(A) 1x4 #3 or better "T" brace. 80% length of web member. Attach with 8d Box or Gun (0.113"x2.5", min.) nails @ 6" OC.

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Right end vertical not exposed to wind pressure.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.



Design Crit: TPI-2002(STD)/FBC

Cq/RT=1.00(1.25)/10(0)

7.24

FL/-/4/-/R/-

Scale = .1875"/Ft.

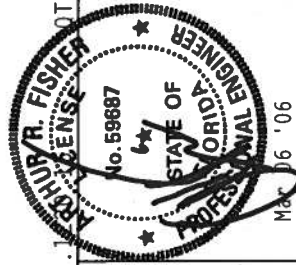
PLT TYP. Wave

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFIO DR., SUITE 200, MADISON, WI 53719) AND MTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN., MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

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TC LL	20.0 PSF	REF	R487--	18163
TC DL	10.0 PSF	DATE	03/06/06	
BC DL	10.0 PSF	DRW	HCUSR487	06065119
BC LL	0.0 PSF	HC-ENG	TCE/AF	*
TOT.LD.	40.0 PSF	SEQN	88066	
DUR.FAC.	1.25			
SPACING	24.0"	JREF	1SVA487_Z01	

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

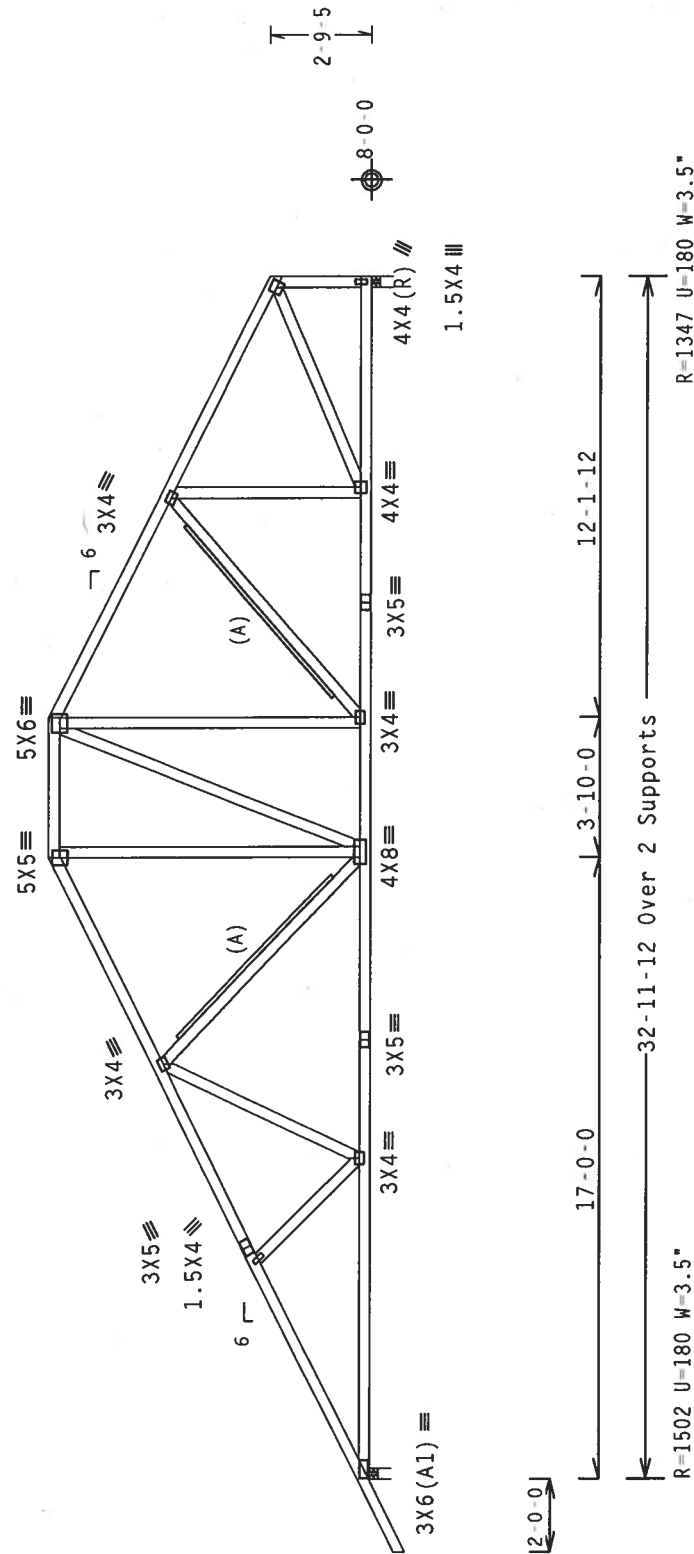
(A) 1x4 #3 or better "T" brace. 80% length of web member. Attach with 8d Box or Gun (0.113"x2.5", min.) nails @ 6" OC.

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Right end vertical not exposed to wind pressure.

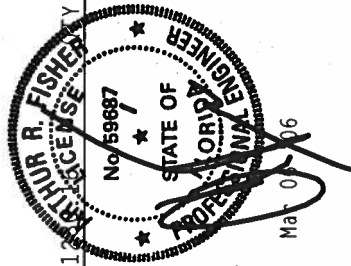
In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.



Design Crit: TPI-2002(STD)/FBC

Scale = .1875"/Ft.

TC LL	20.0 PSF
TC DL	10.0 PSF
BC DL	10.0 PSF
BC LL	0.0 PSF
TOT.LD.	40.0 PSF
DUR.FAC.	1.25
SPACING	24.0"



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719) AND MTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN., MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

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110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, Exp B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Right end vertical not exposed to wind pressure.

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.


$$\text{Cq}/\text{RT} = 1.00(1.25)/10(0)$$

El 1-141-1-1R1-

Scale = 1875"/ft.

***WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO 6631 US (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, INC. 6700 16TH AVE. S.W., SUITE 100, BOZEMAN, MT 59717) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE OPERATIONS. UNLESS OTHERWISE INDICATED, ALL TRUSS CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

***IMPORTANT** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN COMPROMISE WITH APPLICABLE PROVISIONS OF AISC (NATIONAL DESIGN SPEC. BY AISC) AND TPI: ALPINE TRUSS COMPANY SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR. APPLY THE FOLLOWING TO ALL TRUSSES AND UNLESS OTHERWISE LOCATED OR DESIGNATED (N. 67-153) GALV. STEEL PLATES TO EACH FACE OF TRUSS AND UNLESS OTHERWISE LOCATED OR DESIGNATED (N. 67-153) GALV. STEEL PLATES TO EACH FACE OF TRUSS. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANCH A3 OF TPI 2002 SEC. 3.1. SEAL OR 2. DRAWING INDICATES. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



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Haines City, FL 33844

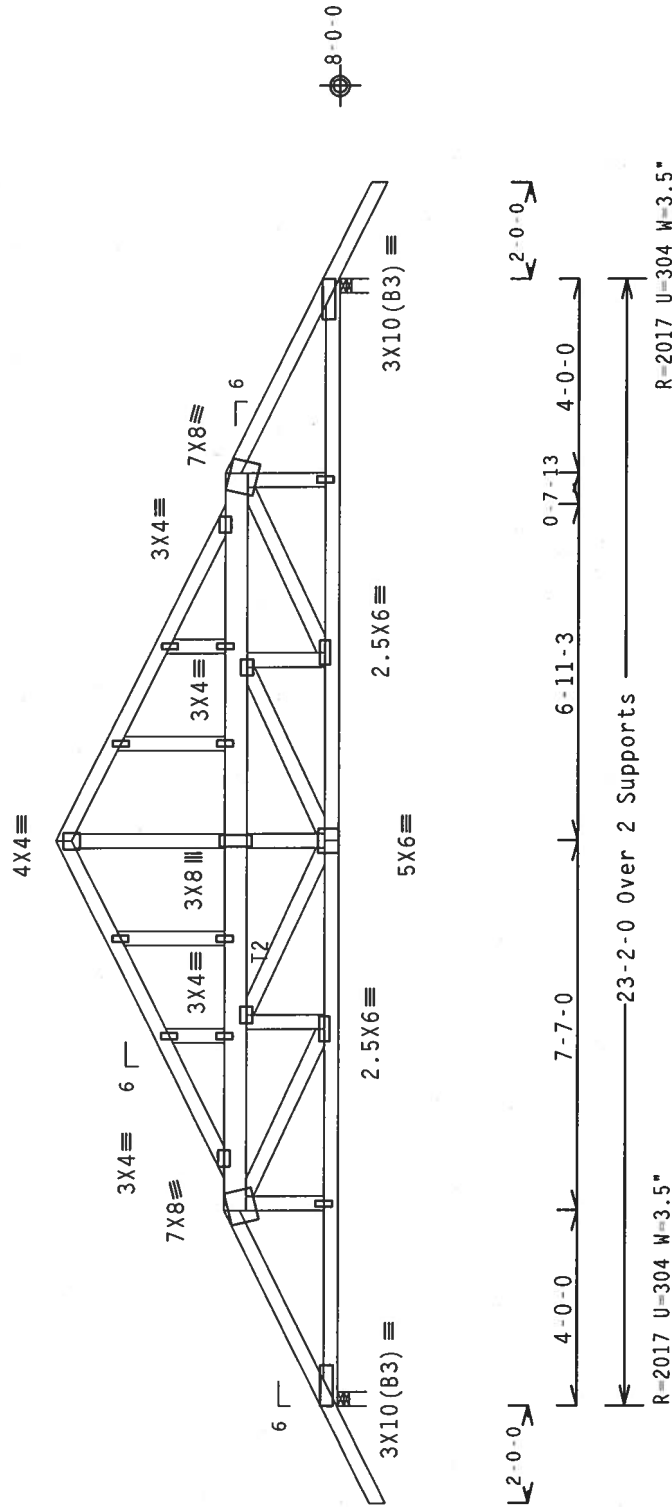
Top chord 2x4 SP #2 Dense :T2 2x6 SP #1 Dense:
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

In lieu of structural panels or rigid ceiling use purlins to
brace TC @ 24" OC, BC @ 24" OC.

Deflection meets L/360 live and L/240 total load. Creep increase
factor for dead load is 1.50.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located
anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC
DL=5.0 psf.

Boston hip supports 4-0-0 jacks to BC. TC supports 2-0-0
overhang.



Note: All Plates Are 1.5X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

Cq/RT=1.00(1.25)/10(0)

7.24.1

TY:1 FL/-4/-/R/-

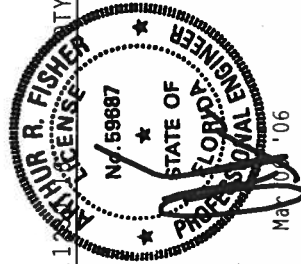
Scale = .25"/Ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSE 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 593 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719) AND MICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

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TC LL	20.0 PSF
TC DL	10.0 PSF
BC DL	10.0 PSF
BC LL	0.0 PSF
TOT.LD.	40.0 PSF
DUR.FAC.	1.25
SPACING	SEE ABOVE

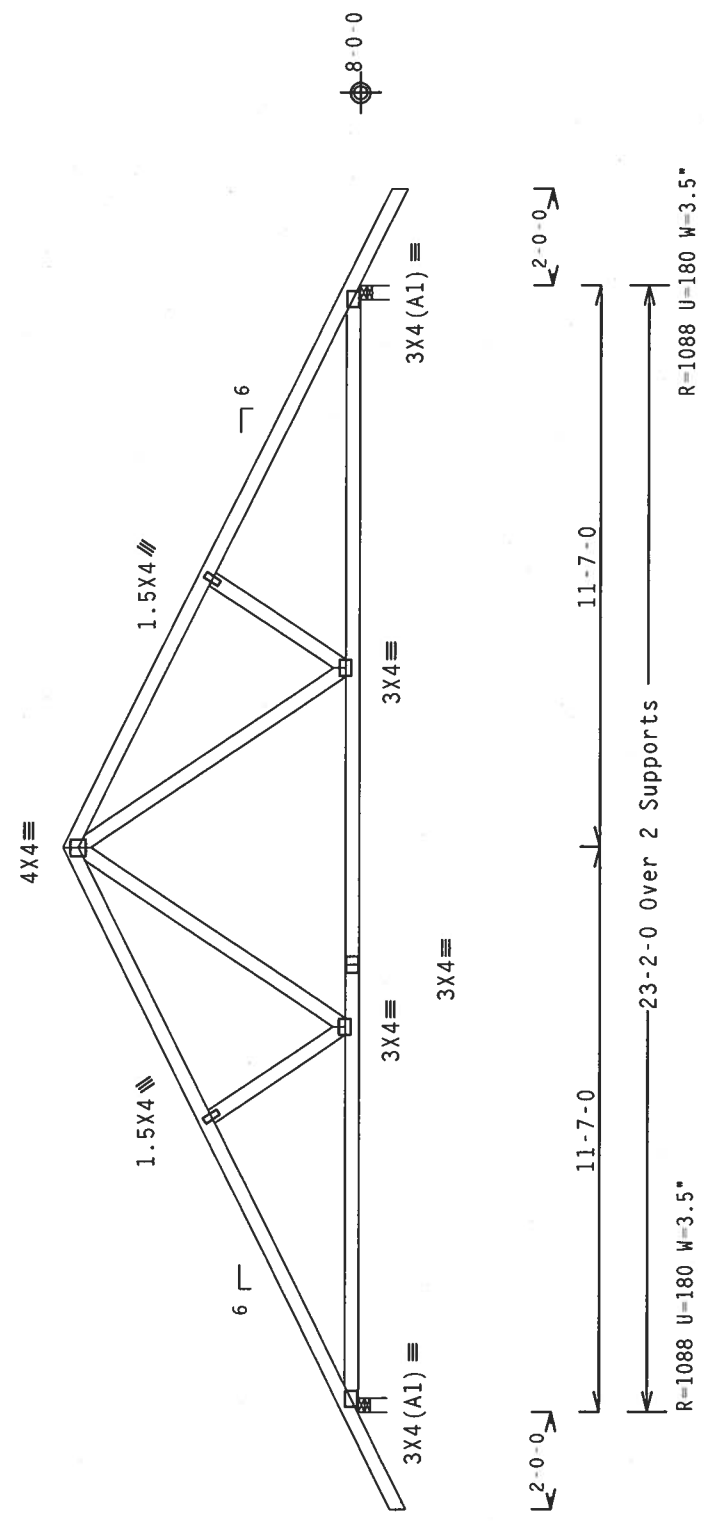
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DATE	03/06/06	
DRW	HCUSR487	06065122
HC-ENG	TCE/AF	
SEQN-	87940	
JREF-	1SVA487_Z01	

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

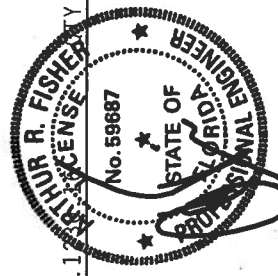
In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0)

Scale = .25"/Ft.



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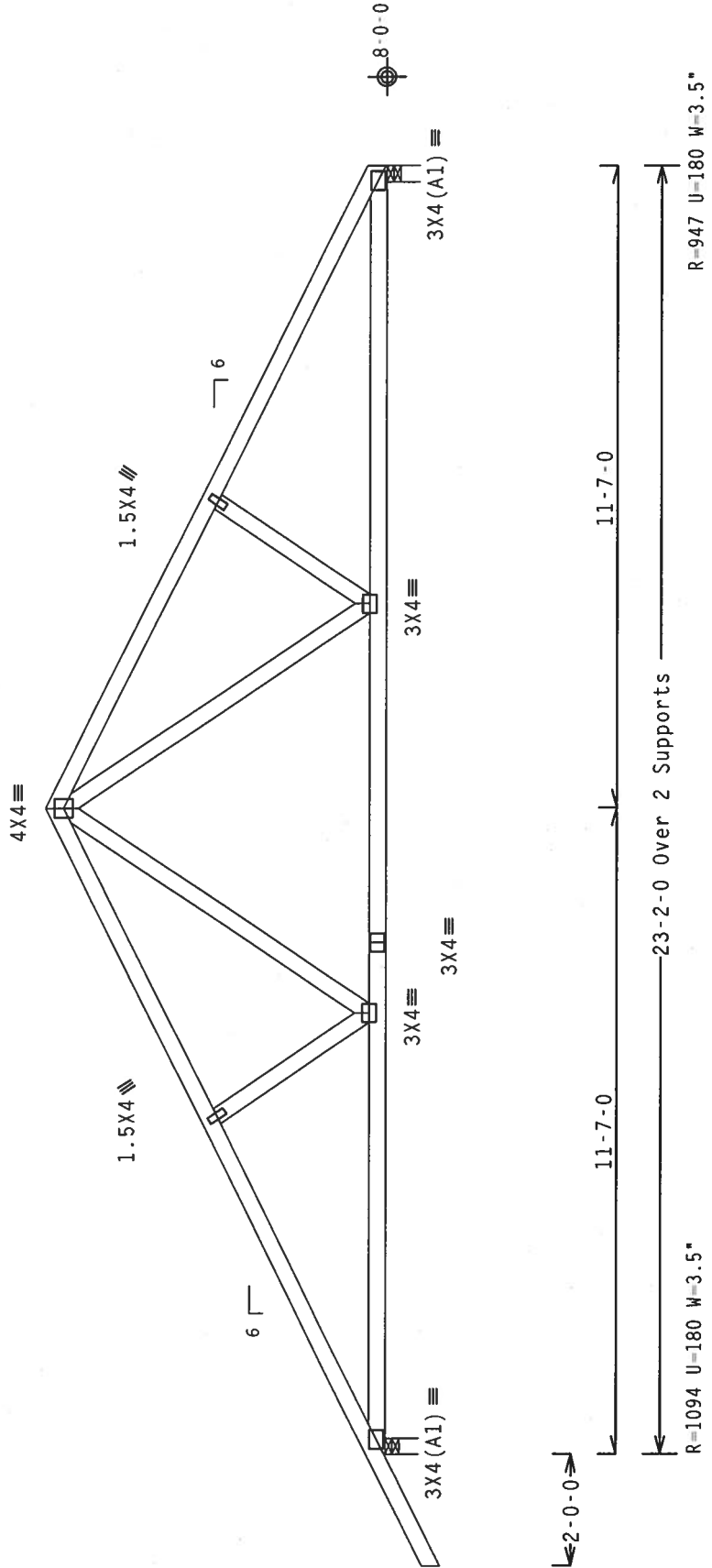
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TC DL	10.0 PSF	DATE	03/06/06	
BC DL	10.0 PSF	DRW	HCUSR487	06065123
BC LL	0.0 PSF	HC-ENG	TCE/AF	*
TOT.LD.	40.0 PSF	SEQN-	87923	
DUR.FAC.	1.25			
SPACING	24.0"	JREF-	1SVA487_Z01	

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.



PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.24.1

Scale = .3125"/Ft.

REF	R487--	18168
DATE	03/06/06	
DRW	HCUSR487	06065124
HC-ENG	TCE/AF	*
SEQN-	87928	
DUR.FAC.	1.25	
SPACING	24.0"	

TC LL 20.0 PSF
TC DL 10.0 PSF
BC DL 10.0 PSF
BC LL 0.0 PSF
TOT.LD. 40.0 PSF

FL/-4/-/-R/-

Professional Engineer
No. 59887
State of Florida
Mar '06

ALPINE
Alpine Engineered Products, Inc.
1950 Marley Drive
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Top chord 2x4 SP #2 Dense
Bot chord 2x8 SP #1 Dense
Webs 2x4 SP #3

SPECIAL LOADS

- (LUMBER DUR.FAC. = 1.25 / PLATE DUR.FAC. = 1.25)
- TC - From 62 PLF at -2.00 to 62 PLF at 12.65
- BC - From 4 PLF at -2.00 to 4 PLF at -0.00
- BC - From 20 PLF at -0.00 to 20 PLF at 12.65
- BC - 2938 LB Conc. Load at 7.06
- BC - 1403 LB Conc. Load at 9.06, 11.06

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

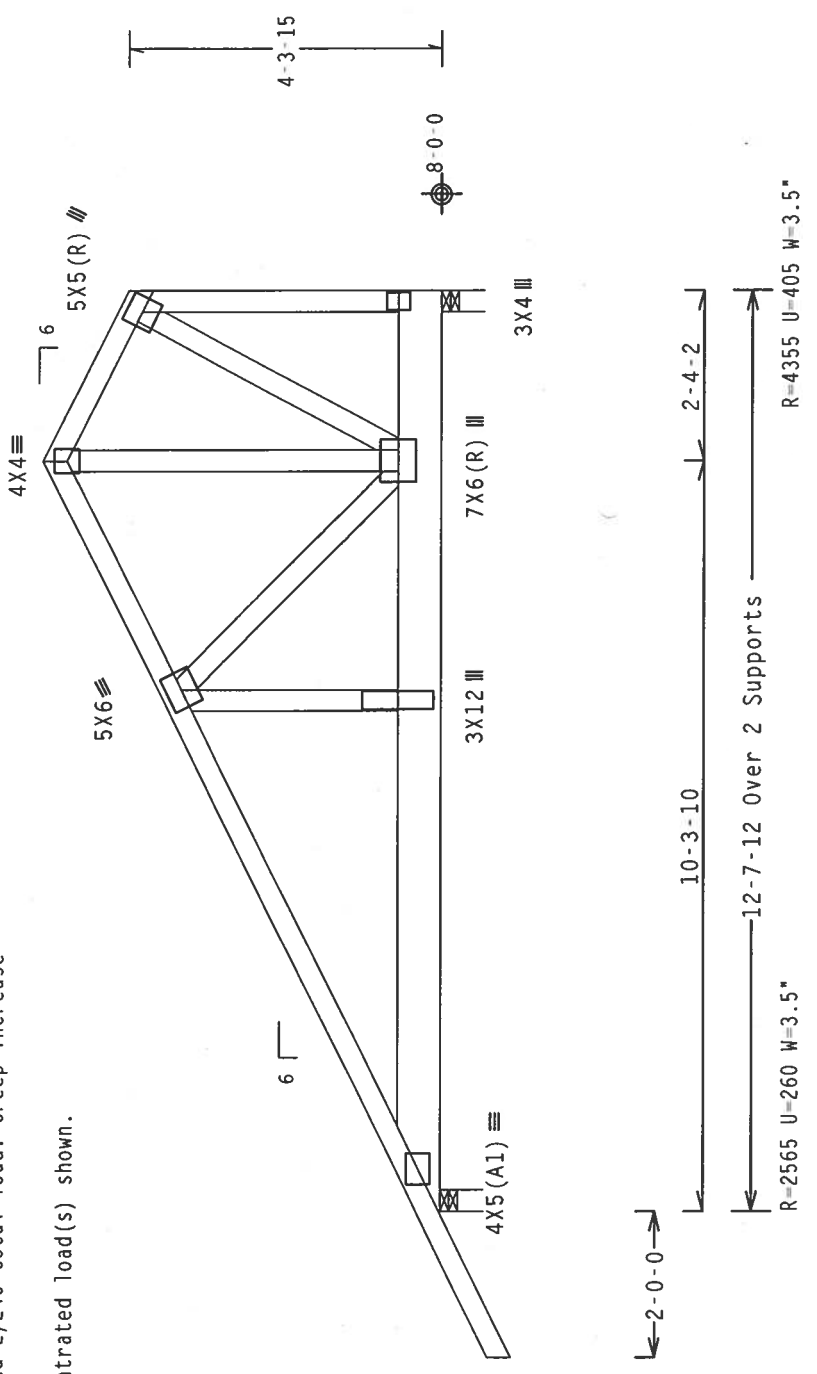
Provide connection for concentrated load(s) shown.

2 COMPLETE TRUSSES REQUIRED

Nailling Schedule: (12d Common (0.148"x3.25", min.)_nails)
Top Chord: 1 Row @ 12.00" o.c.
Bot Chord: 1 Row @ 4.25" o.c.
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

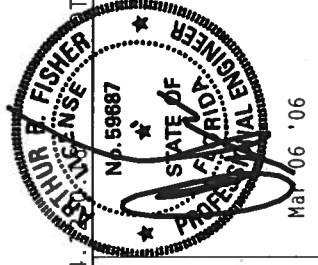
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Right end vertical not exposed to wind pressure.



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.24

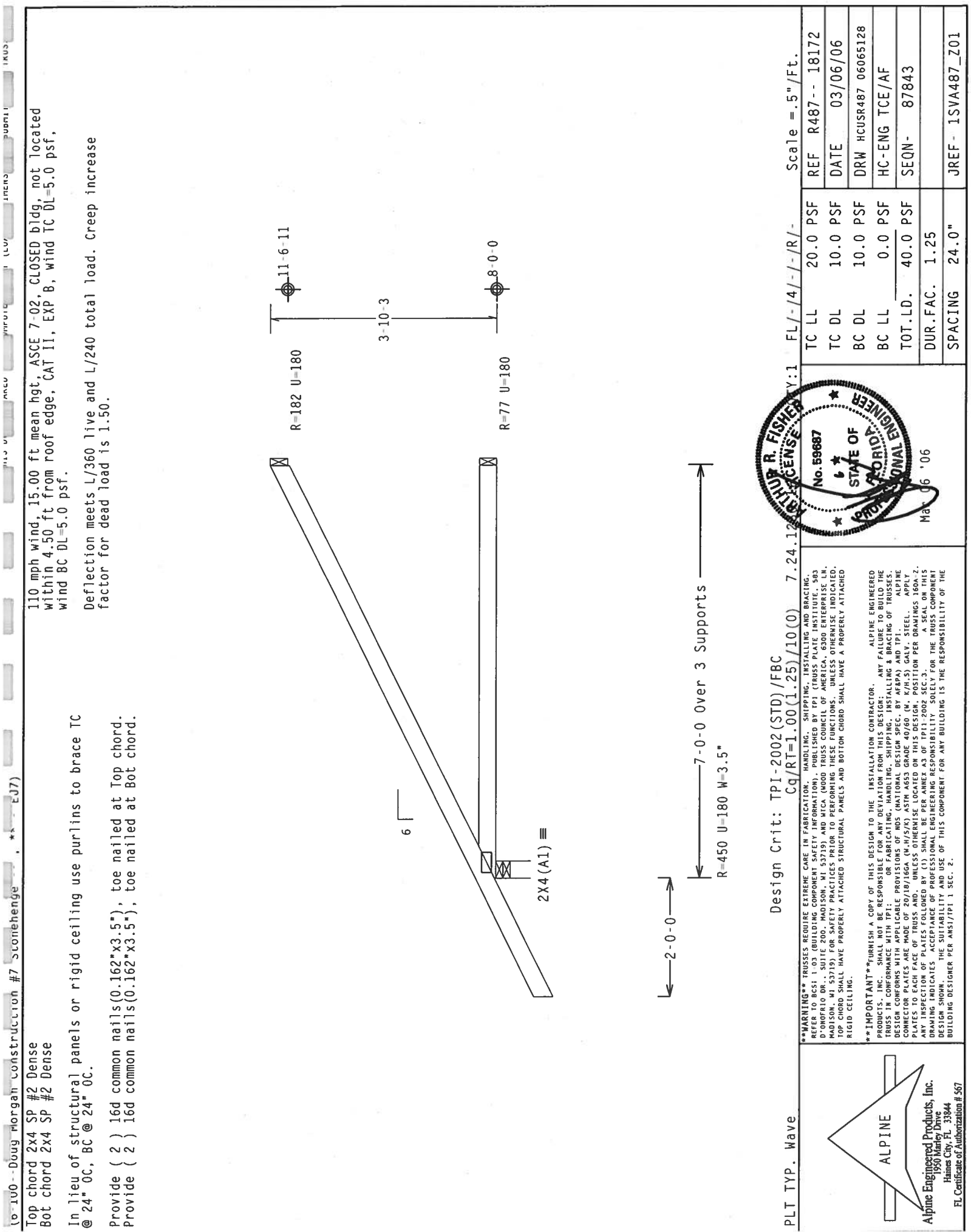
Scale = .375"/Ft.	REF R487 -- 18170
TC LL 20.0 PSF	DATE 03/06/06
TC DL 10.0 PSF	DRW HCUSR487 06065126
BC DL 10.0 PSF	HC-ENG TCE/AF
BC LL 0.0 PSF	SEQN- 88134
TOT.LD. 40.0 PSF	DUR.FAC. 1.25
SPACING see above	JREF- 1SVA487_Z01



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCST 1.03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719) AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

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1950 Marley Drive
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10-100--Doug Morgan Construction #7 Stonehenge
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Bot chord.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0)

PLT TYP. Wave

Scale = 1/4" = 1'-0"

REF R487-- 18172
DATE 03/06/06
DRW HCUSR487 06065128
HC-ENG TCE/AF
SEQN- 87843
JREF- 1SVA487_Z01

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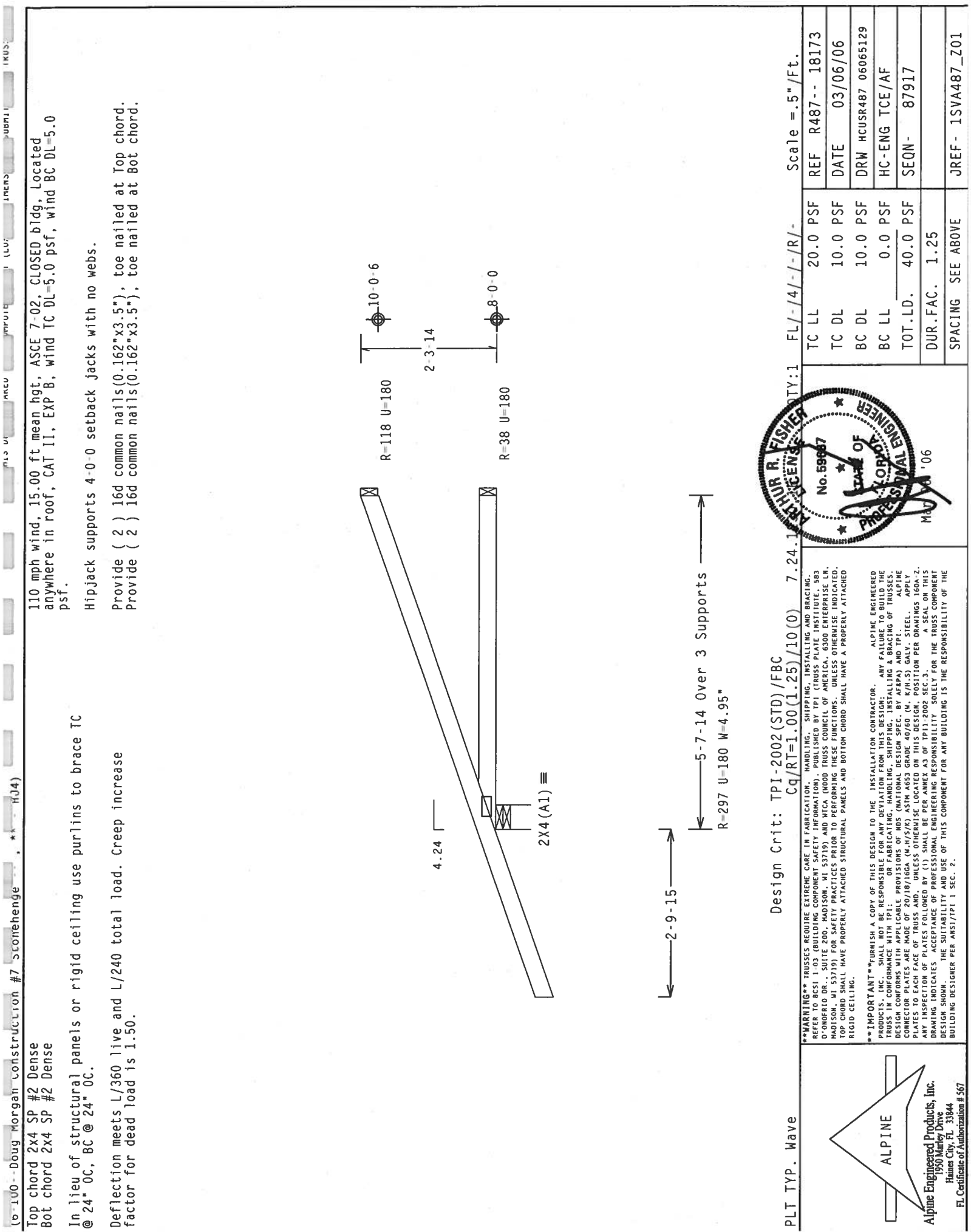
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Haines City, FL 33844

STATE OF FLORIDA
Professional Engineer
No. 59687
KATHLEEN R. FISHER
Professional Engineer
Mar 06 '06

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110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Hipjack supports 4-0-0 setback jacks with no webs.

Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Top chord.

Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Bot chord.

Top chord 2x4 SP #2 Dense

Bot chord 2x4 SP #2 Dense

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

Design Crit: TPI-2002(STD)/FBC

Cq/RT=1.00(1.25)/10(0) 7.24.1

Scale = .5" / Ft.

TC LL	20.0 PSF
TC DL	10.0 PSF
BC DL	10.0 PSF
BC LL	0.0 PSF
TOT.LD.	40.0 PSF
DUR.FAC.	1.25
SPACING	SEE ABOVE

PLT TYP. Wave

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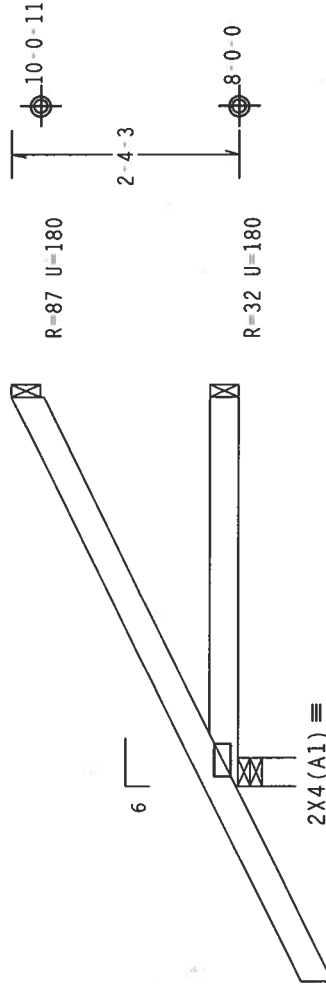
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense

In lieu of structural panels or rigid ceiling use purlins to brace TC
@ 24" OC, BC @ 24" OC.

Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Bot chord.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located
anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0
psf.

Deflection meets L/360 live and L/240 total load. Creep increase
factor for dead load is 1.50.



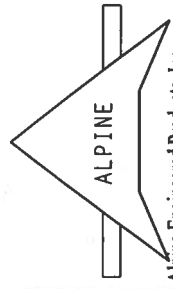
2'-0"-0

4'-0"-0 Over 3 Supports

R-344 U=180 W=3.5"

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/(10.0) 7.24.12

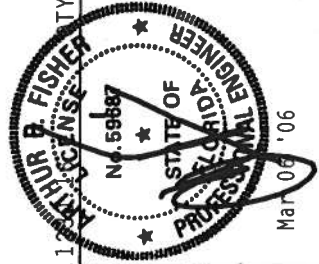
PLT TYP. Wave



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****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719) AND NICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC, BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 70/18/16GA (N-H/S/K) ASTM A653 GRADE 40/60 (N. K/H-S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI 2002 SEC.3. A SEAL ON THIS DESIGN SHOWS THE ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE ALPINE SEAL IS THE ONLY VALID USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

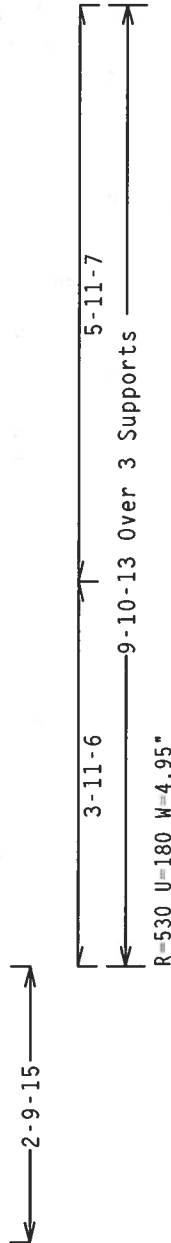
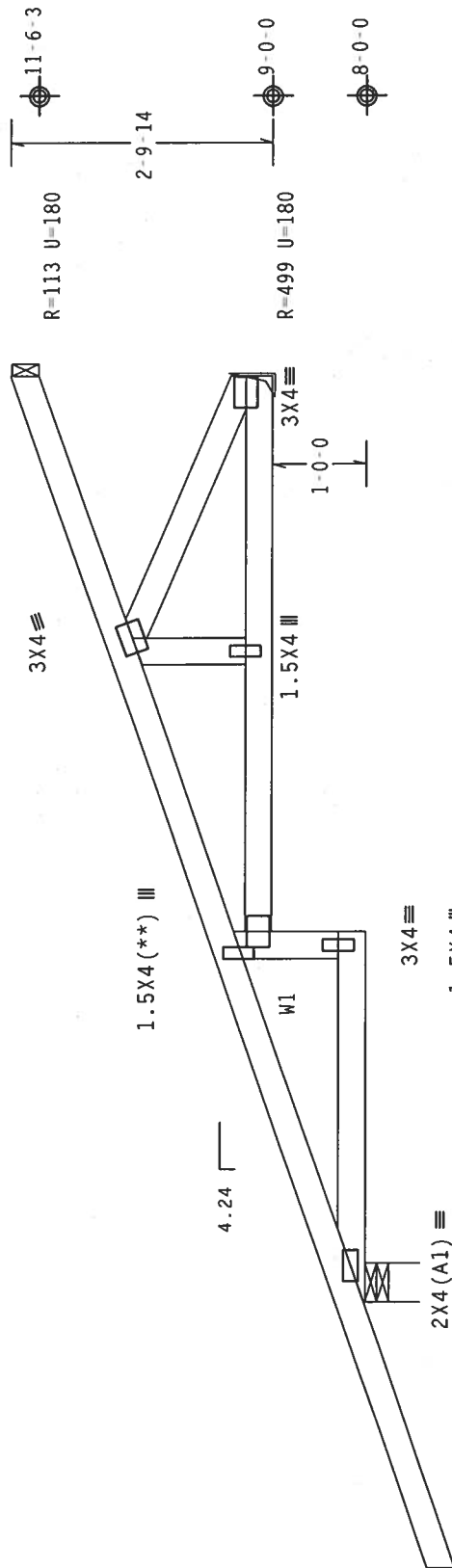


Scale = .5" / Ft.

TC LL	20.0 PSF	REF	R487 --	18174
TC DL	10.0 PSF	DATE	03/06/06	
BC DL	10.0 PSF	DRW	HCUSR487	06065130
BC LL	0.0 PSF	HC-ENG	TCE/AF	*
TOT.LD.	40.0 PSF	SEQN-	87856	
DUR.FAC.	1.25			
SPACING	24.0"	JREF-	1SVA487_Z01	

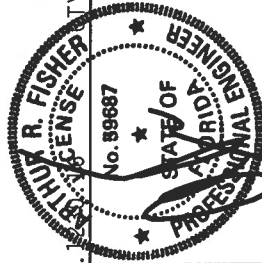
(**) 1 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.
Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3 :W1 2x4 SP #2 Dense:
In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.
Hipjack supports 7'-0" setback jacks with no webs.
Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Top chord.



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.24.1

PLT TYP. Wave	Scale = .5"/Ft.
REF R487-- 18175	TC LL 20.0 PSF
DATE 03/06/06	TC DL 10.0 PSF
DRW HCUSR487 06065131	BC DL 10.0 PSF
HC-ENG TCE/AF	BC LL 0.0 PSF
SEON- 87875	TOT.LD. 40.0 PSF
DUR.FAC. 1.25	SPACING SEE ABOVE
JREF- 1SVA487_Z01	



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	Top	chord	2x4	SP	#2	Dense
	Bot	chord	2x4	SP	#2	Dense
		webs	2x4	SP	#3	

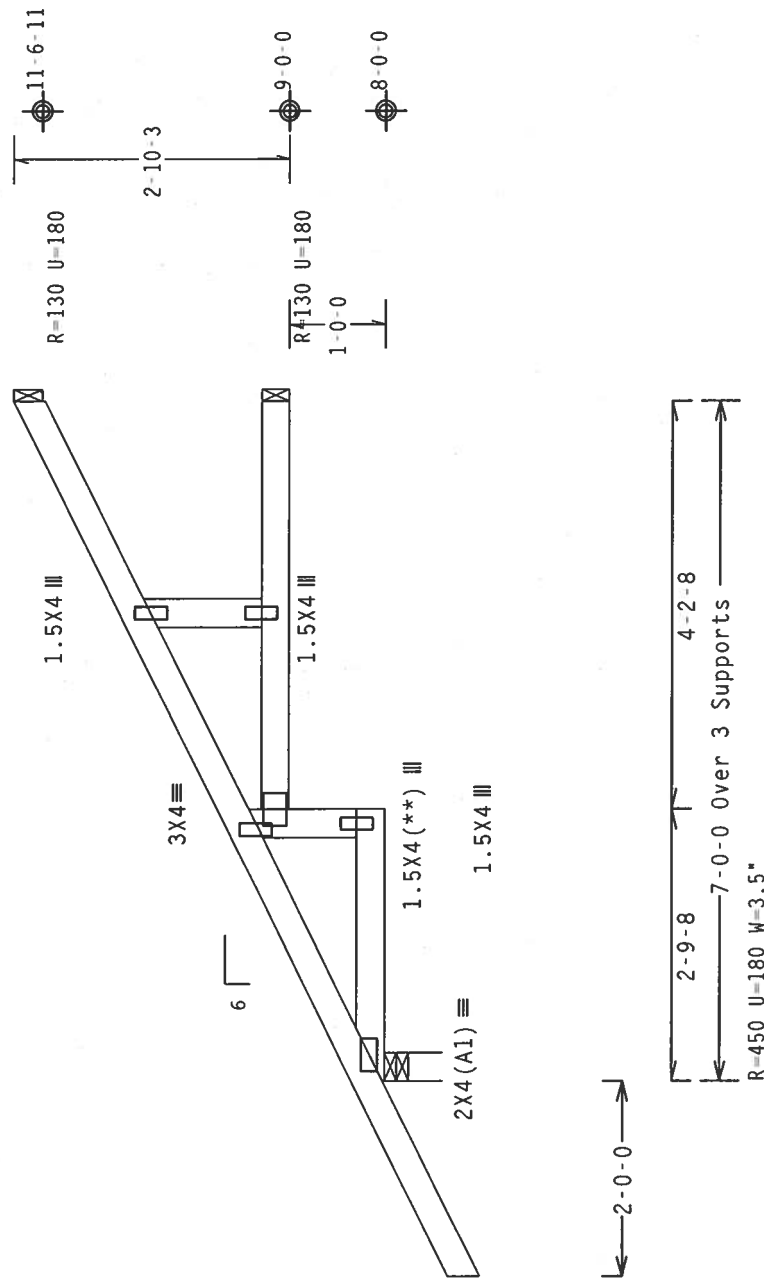
(**) 1 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Bot chord.



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/

Scale = .5"/Ft.

FL/-/4/-/-/R/-/-

TY:1

7.24.1

$$Cq/RT=1.00(1.25)/10(0)$$

— 3 —

PLT TYP. Wave

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLATION AND BRACING. REFER TO BEST PRACTICES (BUILDING COMMISSION SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 800 W. OGDEN DR., SUITE 200, MADISON, WI 53719, AND WICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE, L.N. MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED TOP CHORD CEILING.

****IMPORTANT****-FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS ASSUMES NO RESPONSIBILITY OR LIABILITY FOR ANY FAILURE TO BUILD THE TRUSS CONFORMANCE WITH THE SPECIFICATED MANUFACTURING DESIGN. ANY FAILURE TO BUILD THE TRUSS CONFORMANCE WITH THE SPECIFICATED MANUFACTURING DESIGN SHALL BE THE RESPONSIBILITY OF THE DESIGNER. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI-1 SEC. 2.

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1950 Marley Drive
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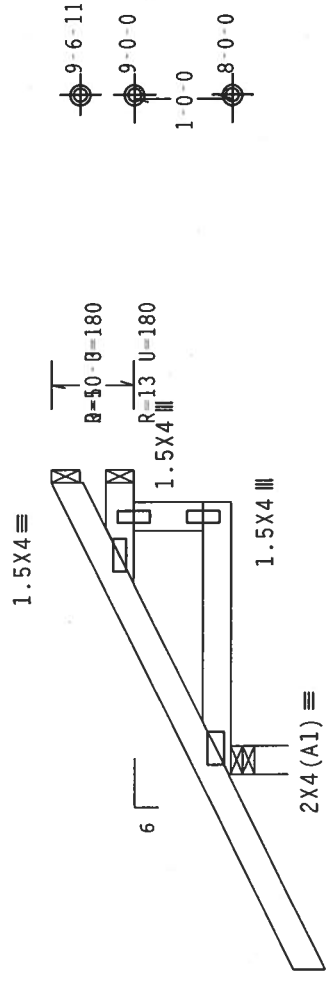
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Bot chord.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.



PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.24

Scale = .5" / Ft.

TC LL	20.0 PSF	REF R487--	18177
TC DL	10.0 PSF	DATE	03/06/06
BC DL	10.0 PSF	DRW	HCUSR487 06065133
BC LL	0.0 PSF	HC-ENG	TCE/AF *
TOT.LD.	40.0 PSF	SEQN-	87881
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1SVA487_Z01

Mr. M '06

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1950 Marley Drive
Haines City, FL 33844
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****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 1.03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 903 D'ONOFRIO DR., SUITE 200, MADISON, MI 53719) AND MICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, MI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY ACPA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/16GA (M.H/S/A) ASTM A653 GRADE 40/60 (M. K/H-S) GALV. STEEL. APPLY PLATES TO ALL JOINTS OF TRUSSES UNLESS OTHERWISE LOCATED ON THIS DESIGN. POSITION PER DRAWINGS. 100A, 2. DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENTS DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

Top	chord	2x4	SP	#2	Dense
Bot	chord	2x4	SP	#2	Dense
	webs	2x4	SP	#3	

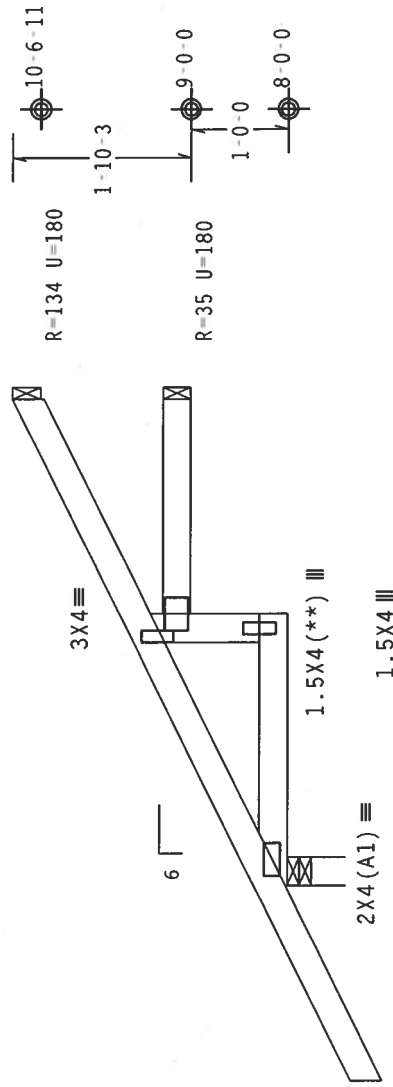
(**) 1 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Bot chord.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.



2-0-0

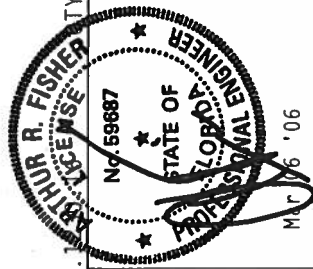
$2-9-8$
 $5-0-0$ Over 3 Supports
 $R=377 \quad U=180 \quad W=3.5^*$

PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC
Ca/RT=1.00(1.25)

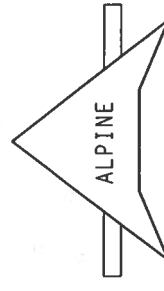
Scale = .5"/Ft.

TC LL	20.0	PSF	REF R487--	18178
TC DL	10.0	PSF	DATE	03/06/06
BC DL	10.0	PSF	DRW HCUSR487	06065134
BC LL	0.0	PSF	HC-ENG TCE/AF	
TOT.LD.	40.0	PSF	SEQN-	87890
DUR.FAC.	1.25			
SPACING	24.0"		JREF- 1SVA487_Z01	



WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. THE BEST USE (INCLUDING COMPETITIVE INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 593 WOODBURY BLVD., MADISON, WI 53715), SHOULD BE USED TO PREVENT OVERSTRESSING OF TRUSSES. OVERSTRESSING OF TRUSSES DURING FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING MAY BE THE CAUSE OF TRUSS FAILURE. THE TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CEILING.

PRODUCT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. THE ALPINE ENGINEERING
 COMPANY, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE
 TRUSS IN CONFORMANCE WITH TP11 OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES,
 DESIGNING CONFORMING WITH ANY LOCAL PROVISIONS OF MDS (NATIONAL SPEC. BY AFAPA) AND TP11, ALPINE
 ENGINEERING COMPANY SHALL BE RESPONSIBLE. THE DESIGNER SHALL BE RESPONSIBLE FOR THE PROPER
 PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2
 ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TP11-2002, SEC. 3. A SEAL ON THIS
 DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. SOLELY FOR THE TRUSS COMPONENT
 BUILDING DESIGNER (SEE ANNEX TP11-1 SEC. 3) OF THIS CONSENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE
 BUILDING DESIGNER (SEE ANNEX TP11-1 SEC. 3)



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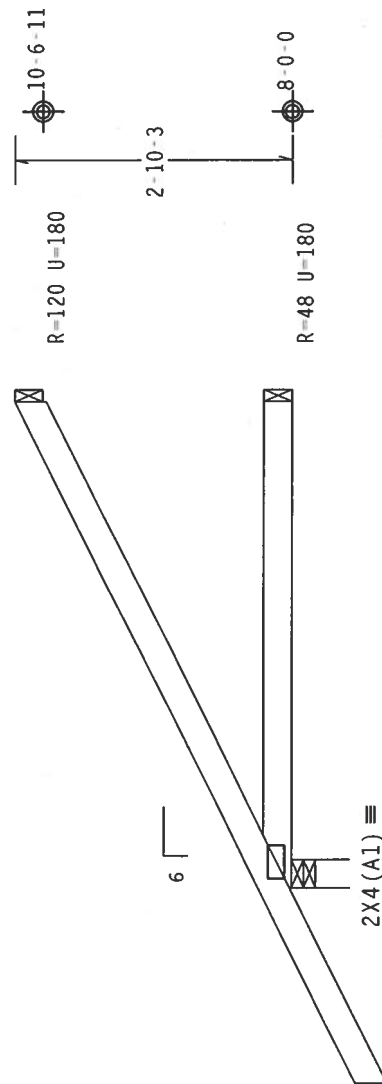
Top chord	2x4	SP	#2	Dense
Bot chord	2x4	SP	#2	Dense

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Bot chord.

110 mph wind, 15.00 ft mean hgt. ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.



2-0-0

5-0-0
5-0-0 Over 3 S
3-377 U=180 W=3.5"

Design Crit: $\text{TPI-2002(STD)}/\text{FBC}$
 $\text{Ca}/\text{RT}=1.00(1.25)/$

PLT TYP. Wave

Scale = 5"/Ft.

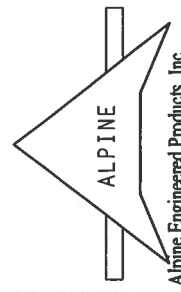
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TC DL	10.0	PSF	DATE 03/06/06
BC DL	10.0	PSF	DRW HCURS487 06065135
BC LL	0.0	PSF	HC-ENG TCE /AF
TOT.LD.	40.0	PSF	SEQN- 87847
DUR.FAC.	1.25		
SPACING	24.0"		JREF- 1SVA487_Z01



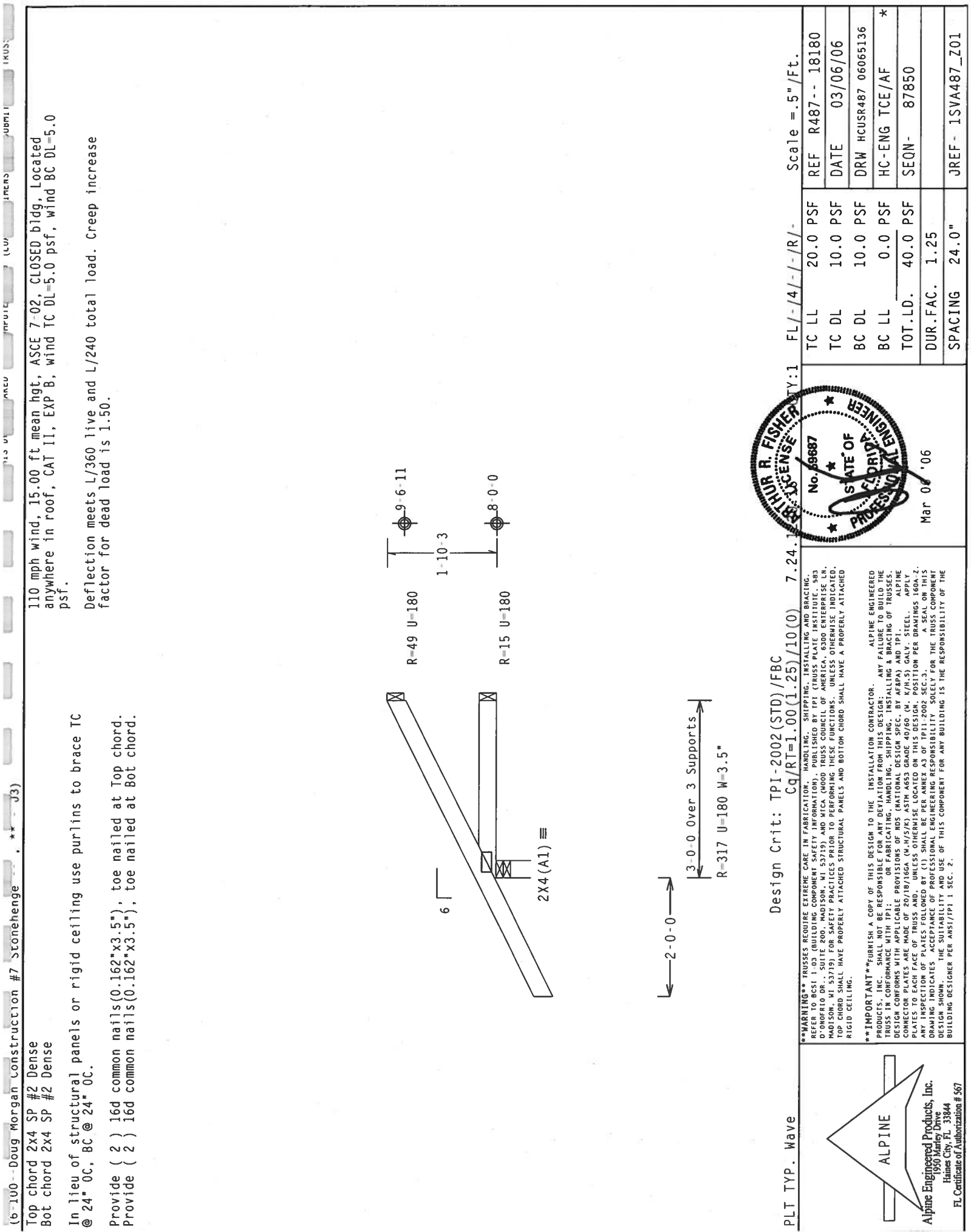
****WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING.**

REFLECT TO CSI TRUSS COMPANY FOR THE FOLLOWING INFORMATION: TRUSS DESIGNER: (CHASS PLATE) INSTITUTE 1863
D'ONOFIO DR., SUITE 200, MADISON, WI 53719; AND WTCO TRUSS CO., INC., 1000 N. MONROE ST., SUITE 100,
MADISON, WI 53719. FOUR SAFETY PRACTICES PRIOR TO PERFORMING THESE OPERATIONS, UNLESS OTHERWISE INDICATED:
TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED
RIGID CEILING.

*IMPORTANT: FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERS & ARCHITECTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, OR ANY OTHER ACTIONS BY THE INSTALLATION CONTRACTOR, SHALL BE THE SOLE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR. THE CONTRACTOR'S LIABILITY SHALL BE LIMITED TO THE AMOUNT PAID TO THE INSTALLATION CONTRACTOR AND THE CONTRACTOR'S INSURANCE COVERAGE. THE CONTRACTOR SHALL MAKE UP ALL DEFICIENCIES OF THE TRUSS SYSTEM PRIOR TO ANY STEEL ERECTION. APPLICABLE PERMITS MUST BE OBTAINED PRIOR TO ANY CONSTRUCTION. SEE CITY ORDINANCES 047678, 047679, 047680, 047681, 047682, 047683, 047684, 047685, 047686, 047687, 047688, 047689, 047690, 047691, 047692, 047693, 047694, 047695, 047696, 047697, 047698, 047699, 047700, 047701, 047702, 047703, 047704, 047705, 047706, 047707, 047708, 047709, 047710, 047711, 047712, 047713, 047714, 047715, 047716, 047717, 047718, 047719, 047720, 047721, 047722, 047723, 047724, 047725, 047726, 047727, 047728, 047729, 047730, 047731, 047732, 047733, 047734, 047735, 047736, 047737, 047738, 047739, 047740, 047741, 047742, 047743, 047744, 047745, 047746, 047747, 047748, 047749, 047750, 047751, 047752, 047753, 047754, 047755, 047756, 047757, 047758, 047759, 047760, 047761, 047762, 047763, 047764, 047765, 047766, 047767, 047768, 047769, 047770, 047771, 047772, 047773, 047774, 047775, 047776, 047777, 047778, 047779, 047780, 047781, 047782, 047783, 047784, 047785, 047786, 047787, 047788, 047789, 047790, 047791, 047792, 047793, 047794, 047795, 047796, 047797, 047798, 047799, 047800, 047801, 047802, 047803, 047804, 047805, 047806, 047807, 047808, 047809, 047810, 047811, 047812, 047813, 047814, 047815, 047816, 047817, 047818, 047819, 047820, 047821, 047822, 047823, 047824, 047825, 047826, 047827, 047828, 047829, 047830, 047831, 047832, 047833, 047834, 047835, 047836, 047837, 047838, 047839, 047840, 047841, 047842, 047843, 047844, 047845, 047846, 047847, 047848, 047849, 047850, 047851, 047852, 047853, 047854, 047855, 047856, 047857, 047858, 047859, 047860, 047861, 047862, 047863, 047864, 047865, 047866, 047867, 047868, 047869, 047870, 047871, 047872, 047873, 047874, 047875, 047876, 047877, 047878, 047879, 047880, 047881, 047882, 047883, 047884, 047885, 047886, 047887, 047888, 047889, 047890, 047891, 047892, 047893, 047894, 047895, 047896, 047897, 047898, 047899, 047900, 047901, 047902, 047903, 047904, 047905, 047906, 047907, 047908, 047909, 047910, 047911, 047912, 047913, 047914, 047915, 047916, 047917, 047918, 047919, 047920, 047921, 047922, 047923, 047924, 047925, 047926, 047927, 047928, 047929, 047930, 047931, 047932, 047933, 047934, 047935, 047936, 047937, 047938, 047939, 047940, 047941, 047942, 047943, 047944, 047945, 047946, 047947, 047948, 047949, 047950, 047951, 047952, 047953, 047954, 047955, 047956, 047957, 047958, 047959, 047960, 047961, 047962, 047963, 047964, 047965, 047966, 047967, 047968, 047969, 047970, 047971, 047972, 047973, 047974, 047975, 047976, 047977, 047978, 047979, 047980, 047981, 047982, 047983, 047984, 047985, 047986, 047987, 047988, 047989, 047990, 047991, 047992, 047993, 047994, 047995, 047996, 047997, 047998, 047999, 048000, 048001, 048002, 048003, 048004, 048005, 048006, 048007, 048008, 048009, 048010, 048011, 048012, 048013, 048014, 048015, 048016, 048017, 048018, 048019, 048020, 048021, 048022, 048023, 048024, 048025, 048026, 048027, 048028, 048029, 048030, 048031, 048032, 048033, 048034, 048035, 048036, 048037, 048038, 048039, 048040, 048041, 048042, 048043, 048044, 048045, 048046, 048047, 048048, 048049, 048050, 048051, 048052, 048053, 048054, 048055, 048056, 048057, 048058, 048059, 048060, 048061, 048062, 048063, 048064, 048065, 048066, 048067, 048068, 048069, 048070, 048071, 048072, 048073, 048074, 048075, 048076, 048077, 048078, 048079, 048080, 048081, 048082, 048083, 048084, 048085, 048086, 048087, 048088, 048089, 048090, 048091, 048092, 048093, 048094, 048095, 048096, 048097, 048098, 048099, 048100, 048101, 048102, 048103, 048104, 048105, 048106, 048107, 048108, 048109, 048110, 048111, 048112, 048113, 048114, 048115, 048116, 048117, 048118, 048119, 048120, 048121, 048122, 048123, 048124, 048125, 048126, 048127, 048128, 048129, 048130, 048131, 048132, 048133, 048134, 048135, 048136, 048137, 048138, 048139, 048140, 048141, 048142, 048143, 048144, 048145, 048146, 048147, 048148, 048149, 048150, 048151, 048152, 048153, 048154, 048155, 048156, 048157, 048158, 048159, 048160, 048161, 048162, 048163, 048164, 048165, 048



Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # 567



110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Bot chord.

PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/(10.0) 7.24.1

Scale = .5" / Ft.

ALPINE
Alpine Engineered Products, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

Professional Engineer
No. 29687
State of Florida
Mar 06 '06

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Bot chord.

PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/(10.0) 7.24.1

Scale = .5" / Ft.

ALPINE
Alpine Engineered Products, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

FL Certificate of Authorization # S67

	Top	Bot	Dense
chord	2x4	2x4	#2
chord	2x4	2x4	#2
webs	2x4	2x4	#3

```

:Stack Chord SC1 2x4 SP #2 Dense:
:Stack Chord SC2 2x4 SP #2 Dense:

```

See DWGS A11015EE0405 & GBLLLETIN0405 for more requirements.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

The Building Designer is responsible for the design of the roof and ceiling diaphragms, gable end shear walls, and supporting shear walls. Shear walls must provide continuous lateral restraint to the gable end. All connections to be designed by the Building Designer.

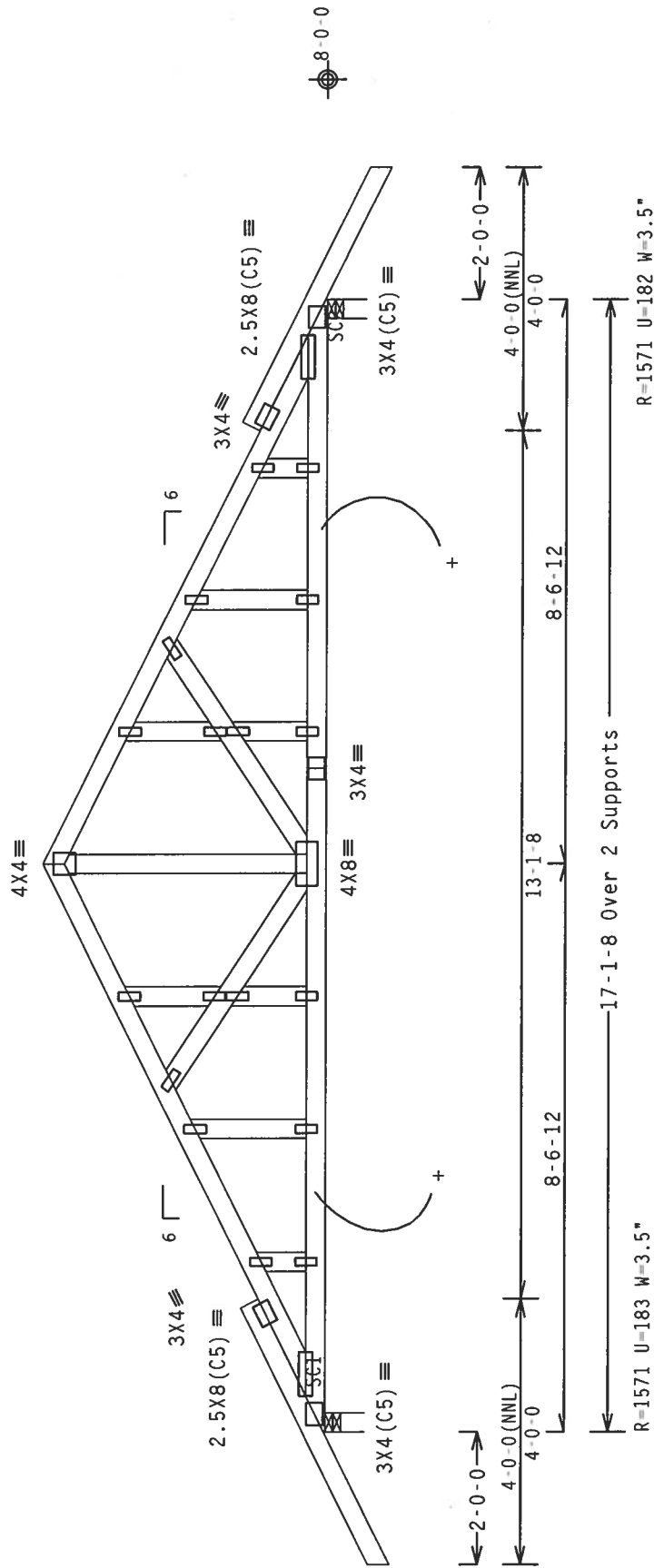
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CL0SED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Gable end supports 8" max rake overhang.

Stacked top chord must NOT be notched or cut in area (NNL).

Dropped top chord braced at 24" o.c. intervals. Attach stacked top chord (SC) to dropped top chord in notchable area using 3x4 tie-plates 24" o.c. Center plate on stacked/dropped chord interface, plate length perpendicular to chord length. Splice top chord in notchable area using 3x6.

- + Member to be laterally braced for horizontal wind loads. Bracing system to be designed and furnished by others.



Note: All Plates Are 1.5X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

 $C_g/RT=1.00(1.25)/10(0)$

1. **QUANTITY:** 1 EL / - / 4 / - / - / R / -

Scale = 375"/ft.

WARNING: TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST PRACTICES FOR BUILDING COMPONENT SAFETY, TRUSSING, AND BRACING, 563 (D006010), 564 (D006011), 565 (D006012), 566 (D006013), 567 (D006014), 568 (D006015), 569 (D006016), 570 (D006017), 571 (D006018), 572 (D006019), 573 (D006020), 574 (D006021), 575 (D006022), 576 (D006023), 577 (D006024), 578 (D006025), 579 (D006026), 580 (D006027), 581 (D006028), 582 (D006029), 583 (D006030), 584 (D006031), 585 (D006032), 586 (D006033), 587 (D006034), 588 (D006035), 589 (D006036), 590 (D006037), 591 (D006038), 592 (D006039), 593 (D006040), 594 (D006041), 595 (D006042), 596 (D006043), 597 (D006044), 598 (D006045), 599 (D006046), 600 (D006047), 601 (D006048), 602 (D006049), 603 (D006050), 604 (D006051), 605 (D006052), 606 (D006053), 607 (D006054), 608 (D006055), 609 (D006056), 610 (D006057), 611 (D006058), 612 (D006059), 613 (D006060), 614 (D006061), 615 (D006062), 616 (D006063), 617 (D006064), 618 (D006065), 619 (D006066), 620 (D006067), 621 (D006068), 622 (D006069), 623 (D006070), 624 (D006071), 625 (D006072), 626 (D006073), 627 (D006074), 628 (D006075), 629 (D006076), 630 (D006077), 631 (D006078), 632 (D006079), 633 (D006080), 634 (D006081), 635 (D006082), 636 (D006083), 637 (D006084), 638 (D006085), 639 (D006086), 640 (D006087), 641 (D006088), 642 (D006089), 643 (D006090), 644 (D006091), 645 (D006092), 646 (D006093), 647 (D006094), 648 (D006095), 649 (D006096), 650 (D006097), 651 (D006098), 652 (D006099), 653 (D006100), 654 (D006101), 655 (D006102), 656 (D006103), 657 (D006104), 658 (D006105), 659 (D006106), 660 (D006107), 661 (D006108), 662 (D006109), 663 (D006110), 664 (D006111), 665 (D006112), 666 (D006113), 667 (D006114), 668 (D006115), 669 (D006116), 670 (D006117), 671 (D006118), 672 (D006119), 673 (D006120), 674 (D006121), 675 (D006122), 676 (D006123), 677 (D006124), 678 (D006125), 679 (D006126), 680 (D006127), 681 (D006128), 682 (D006129), 683 (D006130), 684 (D006131), 685 (D006132), 686 (D006133), 687 (D006134), 688 (D006135), 689 (D006136), 690 (D006137), 691 (D006138), 692 (D006139), 693 (D006140), 694 (D006141), 695 (D006142), 696 (D006143), 697 (D006144), 698 (D006145), 699 (D006146), 700 (D006147), 701 (D006148), 702 (D006149), 703 (D006150), 704 (D006151), 705 (D006152), 706 (D006153), 707 (D006154), 708 (D006155), 709 (D006156), 710 (D006157), 711 (D006158), 712 (D006159), 713 (D006160), 714 (D006161), 715 (D006162), 716 (D006163), 717 (D006164), 718 (D006165), 719 (D006166), 720 (D006167), 721 (D006168), 722 (D006169), 723 (D006170), 724 (D006171), 725 (D006172), 726 (D006173), 727 (D006174), 728 (D006175), 729 (D006176), 730 (D006177), 731 (D006178), 732 (D006179), 733 (D006180), 734 (D006181), 735 (D006182), 736 (D006183), 737 (D006184), 738 (D006185), 739 (D006186), 740 (D006187), 741 (D006188), 742 (D006189), 743 (D006190), 744 (D006191), 745 (D006192), 746 (D006193), 747 (D006194), 748 (D006195), 749 (D006196), 750 (D006197), 751 (D006198), 752 (D006199), 753 (D006200), 754 (D006201), 755 (D006202), 756 (D006203), 757 (D006204), 758 (D006205), 759 (D006206), 760 (D006207), 761 (D006208), 762 (D006209), 763 (D006210), 764 (D006211), 765 (D006212), 766 (D006213), 767 (D006214), 768 (D006215), 769 (D006216), 770 (D006217), 771 (D006218), 772 (D006219), 773 (D006220), 774 (D006221), 775 (D006222), 776 (D006223), 777 (D006224), 778 (D006225), 779 (D006226), 780 (D006227), 781 (D006228), 782 (D006229), 783 (D006230), 784 (D006231), 785 (D006232), 786 (D006233), 787 (D006234), 788 (D006235), 789 (D006236), 790 (D006237), 791 (D006238), 792 (D006239), 793 (D006240), 794 (D006241), 795 (D006242), 796 (D006243), 797 (D006244), 798 (D006245), 799 (D006246), 800 (D006247), 801 (D006248), 802 (D006249), 803 (D006250), 804 (D006251), 805 (D006252), 806 (D006253), 807 (D006254), 808 (D006255), 809 (D006256), 810 (D006257), 811 (D006258), 812 (D006259), 813 (D006260), 814 (D006261), 815 (D006262), 816 (D006263), 817 (D006264), 818 (D006265), 819 (D006266), 820 (D006267), 821 (D006268), 822 (D006269), 823 (D006270), 824 (D006271), 825 (D006272), 826 (D006273), 827 (D006274), 828 (D006275), 829 (D006276), 830 (D006277), 831 (D006278), 832 (D006279), 833 (D006280), 834 (D006281), 835 (D006282), 836 (D006283), 837 (D006284), 838 (D006285), 839 (D006286), 840 (D006287), 841 (D006288), 842 (D006289), 843 (D006290), 844 (D006291), 845 (D006292), 846 (D006293), 847 (D006294), 848 (D006295), 849 (D006296), 850 (D006297), 851 (D006298), 852 (D006299), 853 (D006300), 854 (D006301), 855 (D006302), 856 (D006303), 857 (D006304), 858 (D006305), 859 (D006306), 860 (D006307), 861 (D006308), 862 (D006309), 863 (D006310), 864 (D006311), 865 (D006312), 866 (D006313), 867 (D006314), 868 (D006315), 869 (D006316), 870 (D006317), 871 (D006318), 872 (D006319), 873 (D006320),

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. THE ALPINE ENGINEERS' PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TP1 OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF MOD. (NATIONAL DESIGN SPEC. BY AISC) AND ALPINE DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF MOD. (NATIONAL DESIGN SPEC. BY AISC) AND ALPINE PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A.3 OF TP1-2002 SEC. 3. A SEAL ON THIS BRACING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT OF THIS DESIGN. ANY DEVIATION OF THIS CONSENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANNEX (TP1) 1 SEC. 2.



Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844

FL Certificate of Authorization # S67

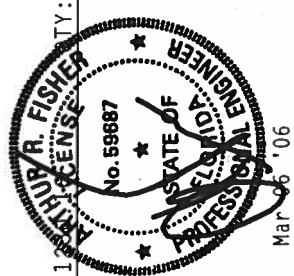
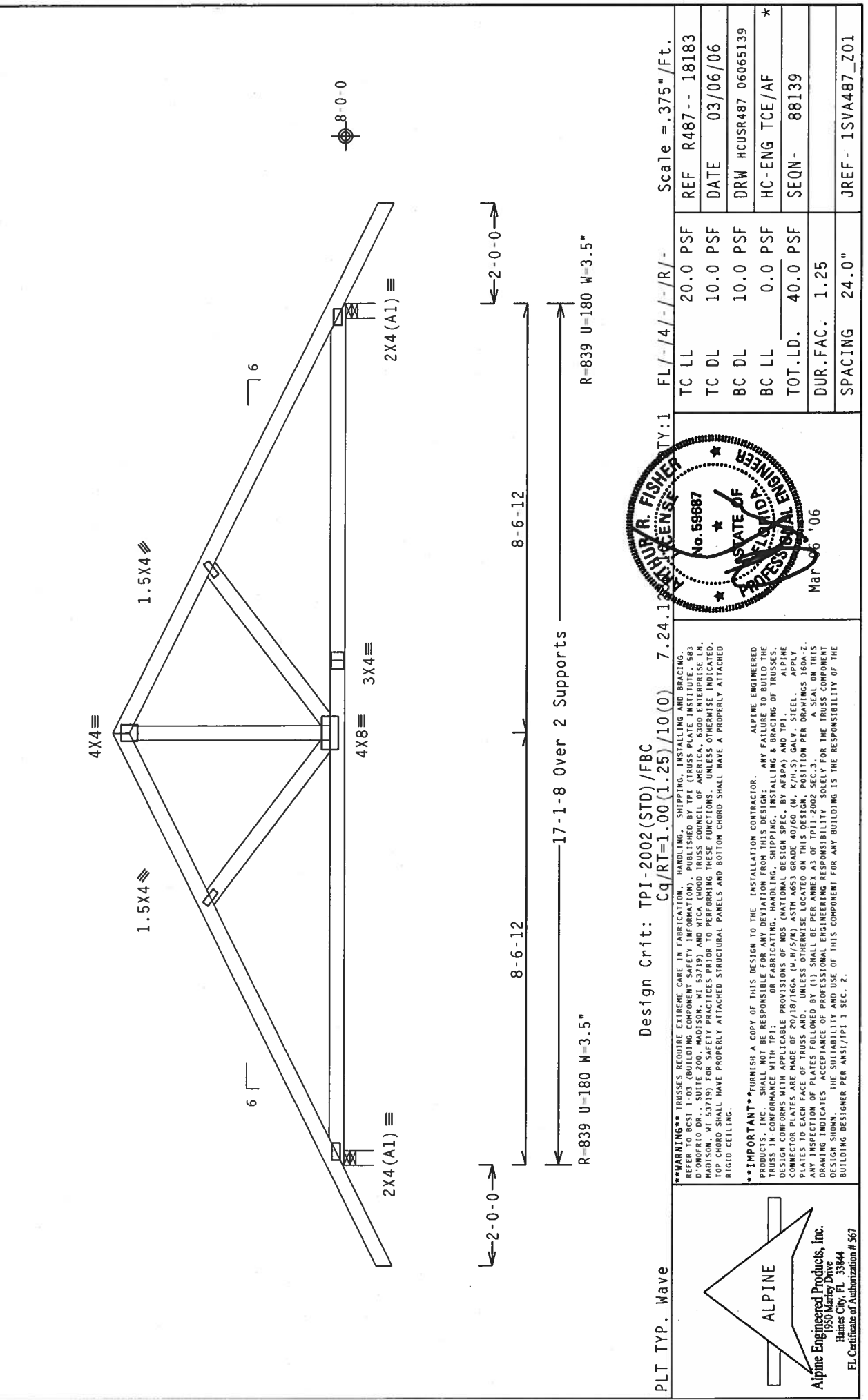
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TC DL	10.0	PSF	DATE	03/06/06	
BC DL	10.0	PSF	DRW	HCUSR487	06065138
BC LL	0.0	PSF	HC-ENG	TCE/AF	
TOT.LD.	40.0	PSF	SEQN-	87903	
DUR.FAC.	1.25				
SPACING	24.0"		JREF-	1SVA487_Z01	

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.



PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC

Cq/RT=1.00(1.25)/10(0) 7.24.18

Scale = .375"/Ft.

REF	R487 --	18183
DATE	03/06/06	
DRW	HCUSR487	06065139
HC-ENG	TCE/AF	*
SEQN	88139	
DUR.FAC.	1.25	
SPACING	24.0"	

ALPINE

Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # 567

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCST 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 563 D'ONDRIO DR., SUITE 200, MADISON, WI 53719) AND NCTA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN., MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** TURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY AFPA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/160A (4-H/5/S/K) ASTM A563 GRADE 40/60 (IN. K/H/5) GALV. STEEL. APPLY ALL APPLICABLE CODES AND SPECIFICATIONS. THE DESIGNER SHALL BE RESPONSIBLE FOR THE TRUSS COMPONENTS. ANY INSPECTION OF PLATES FOLLOWED BY TPI SHALL BE PERFORMED BY TPI. THE DESIGNER SHALL BE RESPONSIBLE FOR THE TRUSS COMPONENTS. DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. THE TRUSS COMPONENTS DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

CLB WEB BRACE SUBSTITUTION

THIS DETAIL IS TO BE USED WHEN CONTINUOUS LATERAL BRACING (CLB) IS SPECIFIED ON AN ALPINE TRUSS DESIGN BUT AN ALTERNATIVE WEB BRACING METHOD IS DESIRED.

NOTES:

THIS DETAIL IS ONLY APPLICABLE FOR CHANGING THE SPECIFIED CLB SHOWN ON SINGLE PLY SEALED DESIGNS TO T-BRACING OR SCAB BRACING.

ALTERNATIVE BRACING SPECIFIED IN CHART BELOW MAY BE CONSERVATIVE. FOR MINIMUM ALTERNATIVE BRACING, RE-RUN DESIGN WITH APPROPRIATE BRACING.

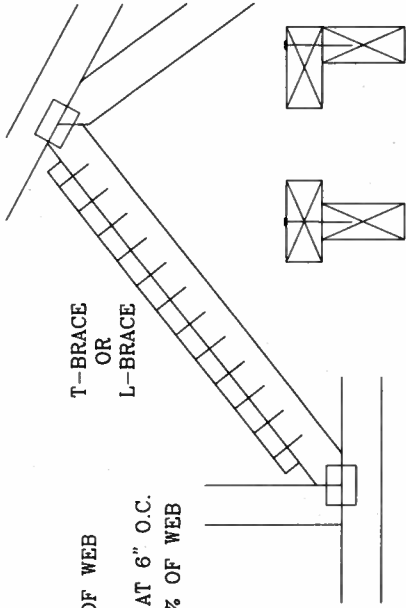
WEB MEMBER SIZE	SPECIFIED CLB BRACING	ALTERNATIVE BRACING T OR L-BRACE	SCAB BRACE
2X3 OR 2X4	1 ROW	2X4	1-2X4
2X3 OR 2X4	2 ROWS	2X6	2-2X4
2X6	1 ROW	2X4	1-2X6
2X6	2 ROWS	2X6	2-2X4(*)
2X8	1 ROW	2X6	1-2X8
2X8	2 ROWS	2X6	2-2X6(*)

T-BRACE, L-BRACE AND SCAB BRACE TO BE SAME SPECIES AND GRADE OR BETTER THAN WEB MEMBER UNLESS SPECIFIED OTHERWISE ON ENGINEER'S SEALED DESIGN.

(*) CENTER SCAB ON WIDE FACE OF WEB. APPLY (1) SCAB TO EACH FACE OF WEB.

T-BRACING
OR
L-BRACING:

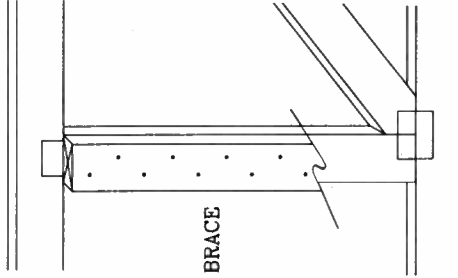
APPLY TO EITHER SIDE OF WEB
NARROW FACE
ATTACH WITH 16d NAILS AT 6" O.C.
BRACE IS A MINIMUM 80% OF WEB
MEMBER LENGTH



T-BRACE
L-BRACE

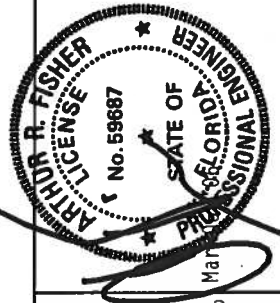
SCAB BRACING:

APPLY SCAB(S) TO WIDE FACE OF WEB.
NO MORE THAN (1) SCAB PER FACE.
ATTACH WITH 10d OR .128"x3" GUN
NAILS AT 6" O.C. BRACE IS A MINIMUM
80% OF WEB MEMBER LENGTH



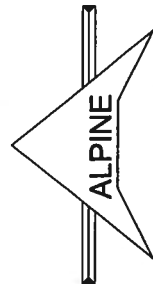
SCAB BRACE

THIS DRAWING REPLACES DRAWING 579,640



WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCST 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY THE TRUSS PLATE INSTITUTE, 583 DUNFRIED DR., SUITE 200, MADISON, WI 53719, AND VITA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN., MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

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ALPINE ENGINEERED PRODUCTS, INC.
POMPAHO BEACH, FLORIDA

TC LL	PSF	REF	CLB SUBST.
TC DL	PSF	DATE	11/26/03
BC DL	PSF	DRWG	BRCCLBSUB1103
BC LL	PSF	-ENG	MLH/KAR
TOT. LD.	PSF		
DUR. FAC.			
SPACING			

BEARING BLOCK NAIL SPACING DETAIL

MAXIMUM NUMBER OF NAIL LINES PARALLEL TO GRAIN

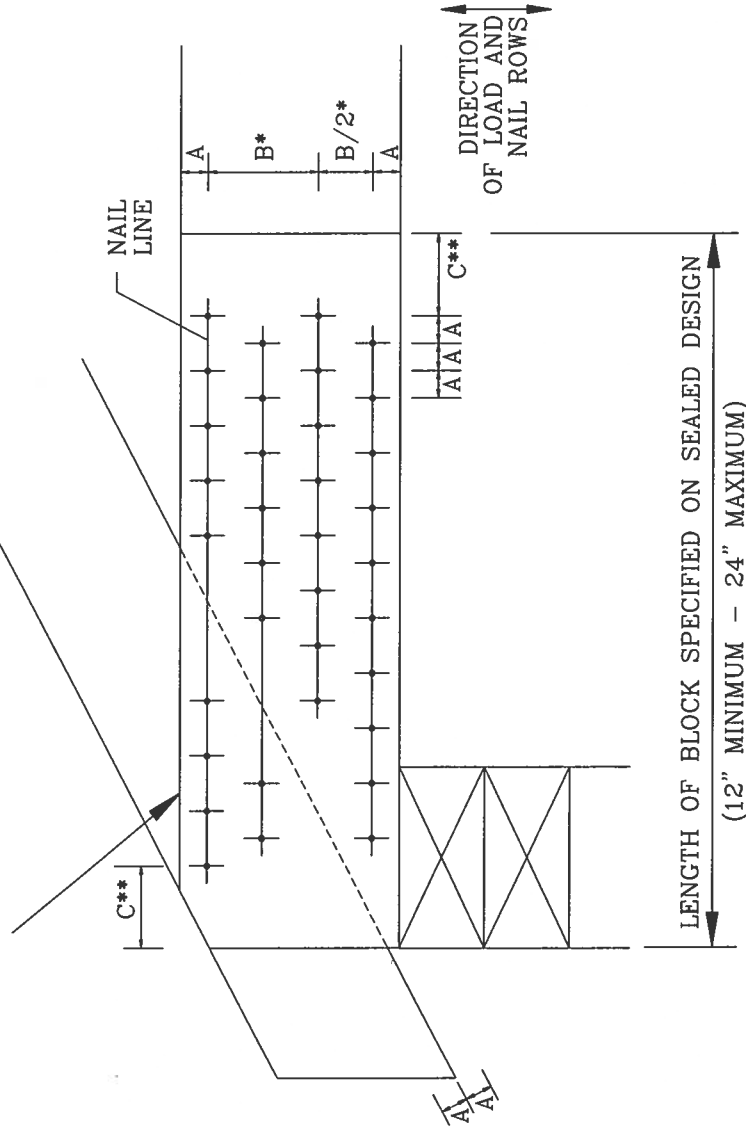
NAIL TYPE	CHORD SIZE					
	2X4	2X6	2X8	2X10	2X12	
8d BOX (0.113"x2.5")	3	6	9	12	15	
10d BOX (0.128"x3")	3	5	7	10	12	
12d BOX (0.128"x3.25")	3	5	7	10	12	
16d BOX (0.135"x3.5")	3	5	7	10	12	
20d BOX (0.148"x4")	2	4	5	6	8	
8d COMMON (0.131"x2.5")	3	5	7	10	12	
10d COMMON (0.148"x3")	2	4	6	8	10	
12d COMMON (0.148"x3.25")	2	4	6	8	10	
16d COMMON (0.162"x3.5")	2	4	6	8	10	
0.120"x2.5" GUN	3	6	8	11	14	
0.131"x2.5" GUN	3	5	7	10	12	
0.120"x3.0" GUN	3	6	8	11	14	
0.131"x3.0" GUN	3	5	7	10	12	

MINIMUM SPACING FOR SINGLE BEARING BLOCK IS SHOWN. DOUBLE NAIL SPACINGS AND STAGGER NAILING FOR TWO BLOCKS. GREATER SPACING MAY BE REQUIRED TO AVOID SPLITTING.

- A - EDGE DISTANCE AND SPACING BETWEEN STAGGERED ROWS OF NAILS (6 NAIL DIAMETERS)
- B - SPACING OF NAILS IN A ROW (12 NAIL DIAMETERS)
- C - END DISTANCE (15 NAIL DIAMETERS)

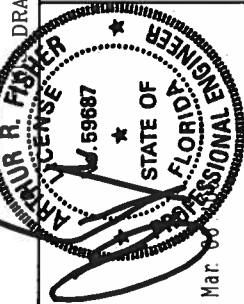
IF NAIL HOLES ARE PREBORED, SOME SPACING MAY BE REDUCED BY THE AMOUNTS GIVEN BELOW:
• SPACING MAY BE REDUCED BY 50%
• SPACING MAY BE REDUCED BY 33%

BEARING BLOCK TO BE SAME SIZE AND SPECIES AS BOTTOM CHORD. BLOCKS MAY BE ANY GRADE WITHIN THE SPECIES, PROVIDED THE COMPRESSION PERPENDICULAR TO GRAIN VALUE (Fc-perp) IS AT LEAST THAT OF THE CHORD.



MINIMUM NAIL SPACING DISTANCES

NAIL TYPE	DISTANCES		
	A	B*	C**
8d BOX (0.113"x2.5")	3/4"	1 3/8"	1 3/4"
10d BOX (0.128"x3")	7/8"	1 5/8"	2"
12d BOX (0.128"x3.25")	7/8"	1 5/8"	2"
16d BOX (0.135"x3.5")	7/8"	1 5/8"	2 1/8"
20d BOX (0.148"x4")	1"	1 7/8"	2 1/4"
8d COMMON (0.131"x2.5")	7/8"	1 5/8"	2"
10d COMMON (0.148"x3")	1"	1 7/8"	2 1/4"
12d COMMON (0.148"x3.25")	1"	1 7/8"	2 1/4"
16d COMMON (0.162"x3.5")	1"	2"	2 1/2"
0.120"x2.5" GUN	3/4"	1 1/2"	1 7/8"
0.131"x2.5" GUN	7/8"	1 5/8"	2"
0.120"x3.0" GUN	3/4"	1 1/2"	1 7/8"
0.131"x3.0" GUN	7/8"	1 5/8"	2"



DRAWING REPLACES DRAWING B139 AND CNBRGLK0699

REF	BEARING BLOCK
DATE	11/26/03
DRWG	CNBRGLK1103
-ENG	SJP/KAR

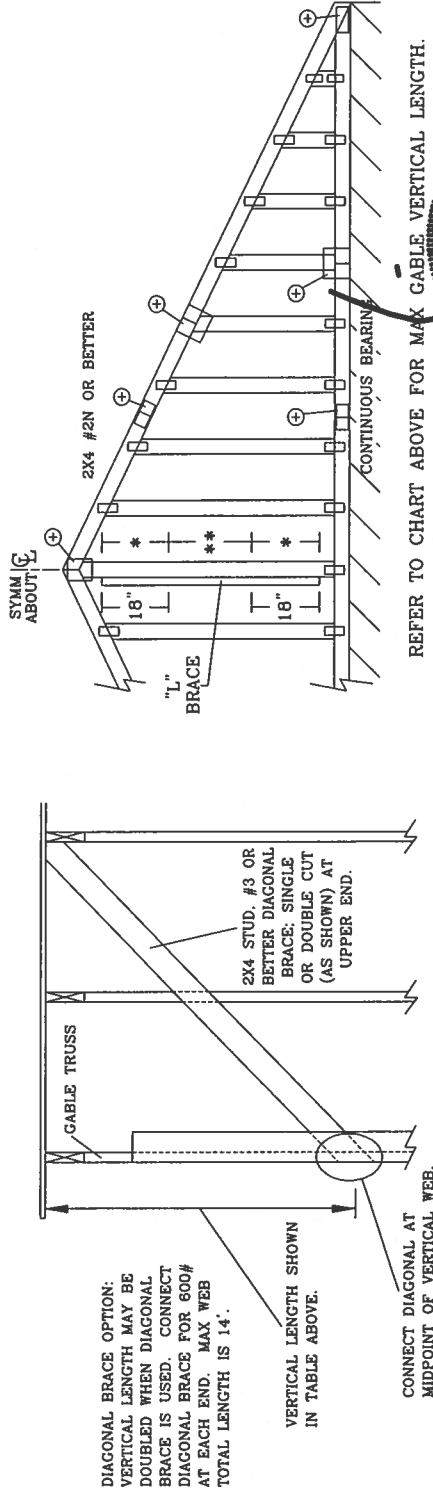
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ALPINE ENGINEERED PRODUCTS, INC.
POMPANO BEACH, FLORIDA

2X4 GABLE VERTICAL		BRACE	NO BRACES	(1) 1X4 "L" BRACE *		(2) 2X4 "L" BRACE *		(1) 2X6 "L" BRACE **		(2) 2X6 "L" BRACE *	
SPACING	SPECIES			GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B
MAX GABLE VERTICAL LENGTH	SPF	#1 / #2	3' 10"	6' 8"	6' 10"	7' 11"	8' 1"	9' 5"	9' 8"	12' 5"	12' 9"
	HF	#3	3' 9"	6' 0"	6' 0"	7' 11"	7' 11"	9' 5"	9' 5"	12' 4"	12' 4"
	STUD	STANDARD	3' 9"	6' 0"	6' 0"	7' 11"	7' 11"	9' 5"	9' 5"	12' 3"	12' 3"
	SP	#1	4' 3"	6' 8"	7' 2"	6' 9"	6' 9"	9' 1"	10' 2"	12' 5"	13' 5"
24" O.C.	DFL	#2	4' 2"	6' 8"	7' 2"	7' 11"	8' 6"	9' 5"	10' 2"	12' 5"	13' 5"
	STUD	#3	4' 0"	6' 2"	6' 2"	7' 11"	8' 1"	9' 5"	9' 11"	12' 5"	12' 8"
	STUD	#1 / #2	4' 5"	5' 3"	5' 3"	6' 11"	8' 0"	9' 4"	9' 4"	10' 10"	12' 6"
	STUD	#3	4' 4"	7' 4"	7' 4"	9' 1"	9' 1"	10' 10"	10' 10"	14' 0"	14' 0"
16" O.C.	SPF	#1 / #2	4' 4"	7' 4"	7' 4"	9' 1"	9' 1"	10' 10"	10' 10"	14' 0"	14' 0"
	HF	#3	4' 4"	7' 4"	7' 4"	9' 1"	9' 1"	10' 10"	10' 10"	14' 0"	14' 0"
	STUD	#1	4' 10"	7' 8"	8' 3"	9' 1"	9' 9"	10' 10"	11' 8"	14' 0"	14' 0"
	DFL	#2	4' 9"	7' 8"	8' 3"	9' 1"	9' 9"	10' 10"	11' 8"	14' 0"	14' 0"
12" O.C.	SPF	#3	4' 6"	7' 7"	7' 7"	9' 1"	9' 6"	10' 10"	11' 4"	14' 0"	14' 0"
	HF	STUD	4' 6"	7' 6"	7' 6"	9' 1"	9' 6"	10' 10"	11' 4"	14' 0"	14' 0"
	STUD	#1 / #2	4' 5"	6' 5"	6' 5"	8' 6"	8' 6"	10' 10"	11' 1"	13' 3"	13' 3"
	DFL	#3	4' 11"	8' 5"	8' 5"	10' 0"	10' 3"	11' 11"	12' 3"	14' 0"	14' 0"
24" O.C.	SPF	STUD	4' 9"	8' 5"	8' 5"	10' 0"	10' 0"	11' 11"	11' 11"	14' 0"	14' 0"
	HF	#1	5' 4"	8' 5"	9' 1"	10' 0"	10' 9"	11' 11"	12' 10"	14' 0"	14' 0"
	STUD	#2	5' 3"	8' 5"	9' 1"	10' 0"	10' 9"	11' 11"	12' 10"	14' 0"	14' 0"
	DFL	#3	5' 0"	8' 5"	8' 7"	10' 0"	10' 6"	11' 11"	12' 6"	14' 0"	14' 0"



BRACING GROUP SPECIES AND GRADES:

GROUP A:			
SPRUCE-PINE-FIR		HEM-FIR	
#1 / #2	STANDARD	#2	STUD
#3	STUD	#3	STANDARD
DOUGLAS FIR-LARCH			
#3	STUD	SOUTHERN PINE	
STANDARD	STANDARD	#3	STUD
			STANDARD

GROUP B:			
HEM-FIR		DOUGLAS FIR-LARCH	
#1 & BTR		#1	
		#2	
SOUTHERN PINE		#1	
		#2	

GABLE TRUSS DETAIL NOTES:

LIVE LOAD DEFLECTION CRITERIA IS L/240.

PROVIDE UPLIFT CONNECTIONS FOR 80 PLF OVER CONTINUOUS BEARING (5 PSF TO DEAD LOAD).

GABLE END SUPPORTS LOAD FROM 4' 0" OUTLOOKERS WITH 2' 0" OVERHANG, OR 12" PLYWOOD OVERHANG.

ATTACH EACH "L" BRACE WITH 10d NAILS.

* FOR (1) "L" BRACE: SPACE NAILS AT 2' O.C. IN 18" END ZONES AND 4" O.C. BETWEEN ZONES.

** FOR (2) "L" BRACES: SPACE NAILS AT 3' O.C. IN 18" END ZONES AND 6" O.C. BETWEEN ZONES.

"L" BRACING MUST BE A MINIMUM OF 80% OF WEB MEMBER LENGTH.

GABLE VERTICAL PLATE SIZES		
VERTICAL LENGTH	NO SPLICE	
LESS THAN 4' 0"	1X4 OR 2X3	
GREATER THAN 4' 0", BUT LESS THAN 11' 6"	2X4	
GREATER THAN 11' 6"	2.5X4	

+ REFER TO COMMON TRUSS DESIGN FOR PEAK, SPLICE, AND HEEL PLATES.

ALPINE ENGINEERED PRODUCTS, INC.
POMPANO BEACH, FLORIDA

MAX. TOT. LD. 60 PSF

MAX. SPACING 24.0"

REF ASCE7-02-CAB11015

DATE 04/15/05

DRWG A11015EE0405

-ENG

ALPINE ENGINEERED PRODUCTS, INC.

PROFESSIONAL ENGINEER

STATE OF FLORIDA

No. 59887

Mar

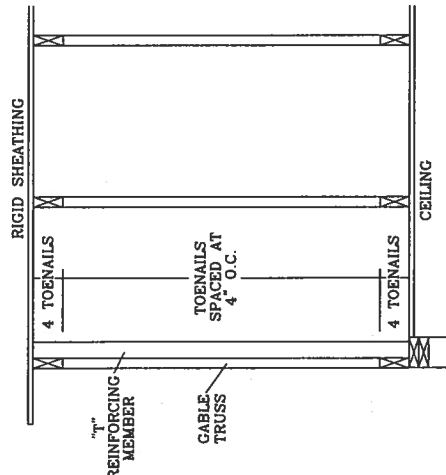
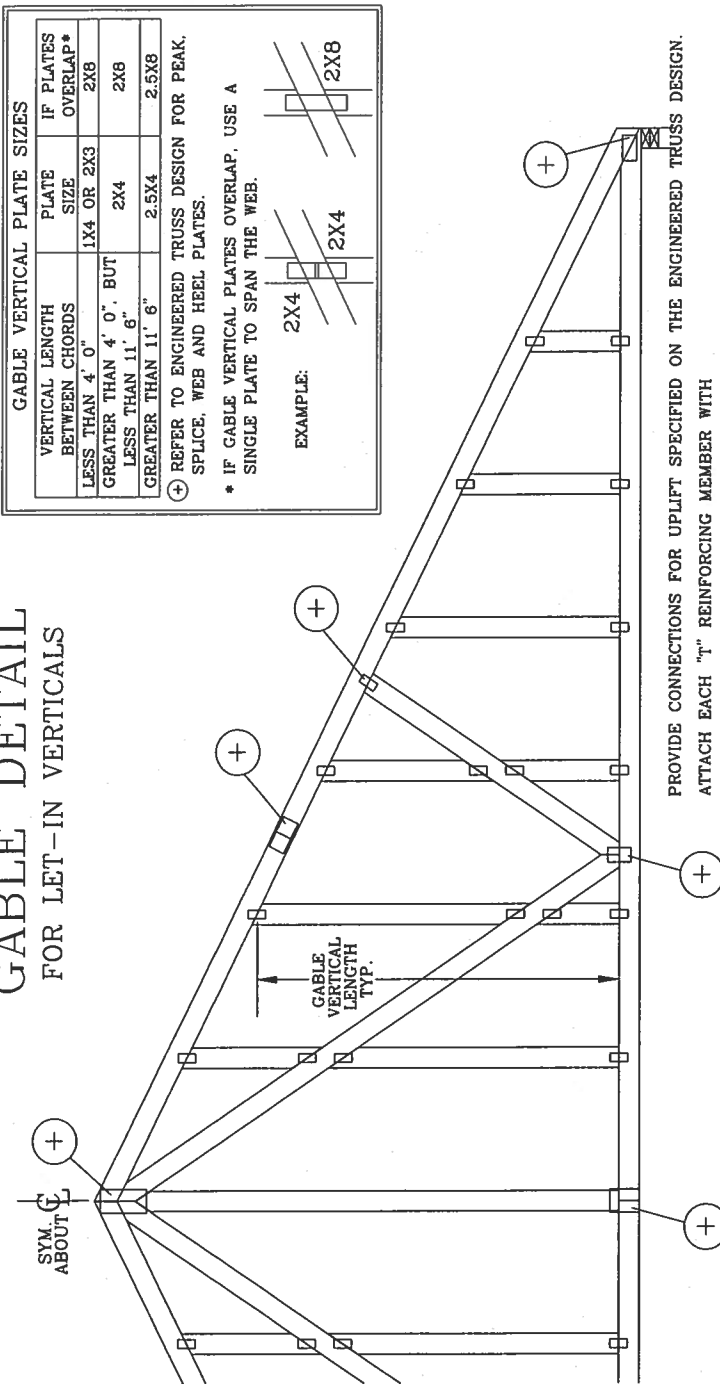
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GABLE DETAIL FOR LET-IN VERTICALS

GABLE VERTICAL PLATE SIZES			
VERTICAL LENGTH BETWEEN CHORDS	PLATE SIZE	IF PLATES OVERLAP*	
LESS THAN 4' 0"	1X4 OR 2X3	2X8	
GREATER THAN 4' 0", BUT LESS THAN 11' 6"	2X4	2X8	
GREATER THAN 11' 6"	2.5X4	2.5X8	

* REFER TO ENGINEERED TRUSS DESIGN FOR PEAK, SPICE, WEB AND HEEL PLATES.
 * IF GABLE VERTICAL PLATES OVERLAP, USE A SINGLE PLATE TO SPAN THE WEB.
 EXAMPLE:



PROVIDE CONNECTIONS FOR UPLIFT SPECIFIED ON THE ENGINEERED TRUSS DESIGN.
 ATTACH EACH "T" REINFORCING MEMBER WITH
 HAND DRIVEN NAILS:
 10d COMMON (0.148" X 3" MIN) TOENAILS AT 4" O.C. PLUS
 (4) 16d COMMON (0.162" X 3.5" MIN) TOENAILS IN TOP AND BOTTOM CHORD.
 GUN DRIVEN NAILS:
 8d COMMON (0.131" X 2.5" MIN) TOENAILS AT 4" O.C. PLUS
 (4) TOENAILS IN TOP AND BOTTOM CHORD.

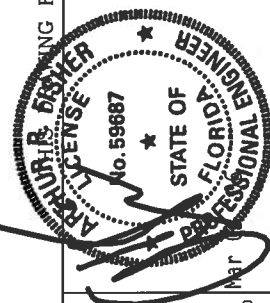
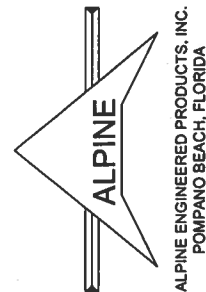
THIS DETAIL TO BE USED WITH THE APPROPRIATE ALPINE GABLE DETAIL FOR ASCE
 OR SBCCI WIND LOAD.

ASCE 7-93 GABLE DETAIL DRAWINGS
 A11015EN1103, A10015EN1103, A09015EN1103, A08015EN1103, A07015EN1103
 A11030EN1103, A10030EN1103, A09030EN1103, A08030EN1103, A07030EN1103
 ASCE 7-98 GABLE DETAIL DRAWINGS
 A13015EC1103, A12015EC1103, A11015EC1103, A10015EC1103, A08015EC1103
 A13030EC1103, A12030EC1103, A11030EC1103, A10030EC1103, A08030EC1103
 ASCE 7-02 GABLE DETAIL DRAWINGS
 A13015EE0405, A12015EE0405, A11015EE0405, A10015EE0405, A08015EE0405,
 A13030EE0405, A12030EE0405, A11030EE0405, A10030EE0405, A08030EE0405

SEE APPROPRIATE ALPINE GABLE DETAIL (ASCE OR SBCCI
 WIND LOAD) FOR MAXIMUM UNREINFORCED GABLE
 VERTICAL LENGTH.

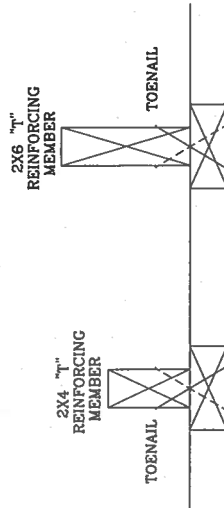
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DRAWING REPLACES DRAWINGS GAB98117 876,719 & HC26294035

REF	LET-IN VERT
DATE	04/14/05
DRWG	GBLLETIN0405
-ENG	DLJ/KAR
MAX TOT. LD. 60 PSF	
DUR. FAC. ANY	
MAX SPACING 24.0"	



TO CONVERT FROM "L" TO "T" REINFORCING MEMBERS, MULTIPLY "T" FACTOR BY LENGTH (BASED ON GABLE VERTICAL SPECIES, GRADE AND SPACING) FOR (1) 2X4 "L" BRACE, GROUP A, OBTAINED FROM THE APPROPRIATE ALPINE GABLE DETAIL FOR ASCE OR SBCCI WIND LOAD.

MAXIMUM ALLOWABLE "T" REINFORCED GABLE VERTICAL LENGTH IS 14' FROM TOP TO BOTTOM CHORD.

WEB LENGTH INCREASE W/ "T" BRACE

WIND SPEED AND MRH	"T" REINF. MBR. SIZE	SBCCI	ASCE
110 MPH	2x4	10 %	10 %
15 FT	2x6	40 %	50 %
110 MPH	2x4	10 %	10 %
30 FT	2x6	50 %	50 %
100 MPH	2x4	10 %	10 %
15 FT	2x6	30 %	50 %
100 MPH	2x4	10 %	10 %
30 FT	2x6	40 %	40 %
90 MPH	2x4	20 %	10 %
15 FT	2x6	20 %	40 %
90 MPH	2x4	10 %	10 %
30 FT	2x6	30 %	50 %
80 MPH	2x4	10 %	20 %
15 FT	2x6	10 %	30 %
80 MPH	2x4	20 %	10 %
30 FT	2x6	20 %	40 %
70 MPH	2x4	0 %	20 %
15 FT	2x6	0 %	20 %
70 MPH	2x4	10 %	20 %
30 FT	2x6	10 %	30 %

EXAMPLE:

ASCE WIND SPEED = 100 MPH
 MEAN ROOF HEIGHT = 30 FT
 GABLE VERTICAL = 24" O.C. SP #3
 "T" REINFORCING MEMBER SIZE = 2X4
 "T" BRACE INCREASE (FROM ABOVE) = 10% = 1.10
 (1) 2X4 "L" BRACE LENGTH = 6' 7"
 MAXIMUM "T" REINFORCED GABLE VERTICAL LENGTH
 1.10 x 6' 7" = 7' 3"



**AAMA/NWWDA 101/I.S.2-97
TEST REPORT SUMMARY**

Rendered to:

MI HOME PRODUCTS, INC.

**SERIES/MODEL: 650 Fin
TYPE: Aluminum Single Hung Window**

Title of Test	Results
Rating	H-R40 52 x 72
Overall Design Pressure	+45.0 psf -47.2 psf
Operating Force	11 lb max.
Air Infiltration	0.13 cfm/ft ²
Water Resistance	6.00 psf
Structural Test Pressure	+67.5 psf -70.8 psf
Deglazing	Passed
Forced Entry Resistance	Grade 10

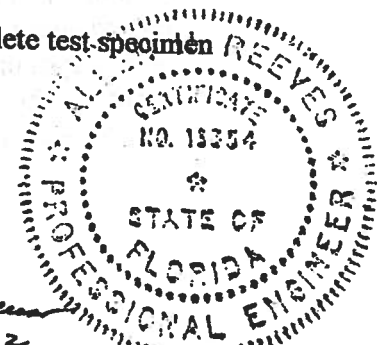
Reference should be made to Report No. 01-41134.01 dated 03/26/02 for complete test specimen description and data.

For ARCHITECTURAL TESTING, INC.


Mark A. Hess, Technician

MAH:nlb


1 APRIL 2002



Test Specimen Description: (Continued)

Weatherstripping:

<u>Description</u>	<u>Quantity</u>	<u>Location</u>
0.230" high by 0.270" backed polypile with center fin	1 Row	Fixed meeting rail
0.250" high by 0.187" backed polypile with center fin	2 Rows	Active sash stiles
1/2" x 1/2" dust plug	4 Pieces	Active sash, top and bottom of stiles
1/4" foam-filled vinyl bulb seal	1 Row	Active sash, bottom rail

Frame Construction: The frame was constructed of extruded aluminum with coped, butted, and sealed corners fastened with two #8 x 1" screws through the head and sill into each jamb screw boss. End caps were utilized on the ends of the fixed meeting rail and secured with two 1-1/4" screws per cap. Meeting rail was secured to the frame utilizing two 1-1/4" screws.

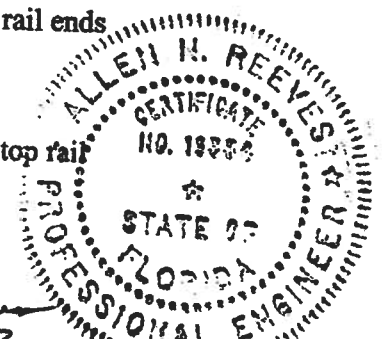
Sash Construction: The sash was constructed of extruded aluminum with coped, butted, and sealed corners fastened with two #8 x 1-1/2" screws through the rails into each jamb screw boss.

Screen Construction: The screen was constructed from roll-formed aluminum with keyed corners. The fiberglass mesh was secured with a flexible spline.

Hardware:

<u>Description</u>	<u>Quantity</u>	<u>Location</u>
Metal cam lock with keeper		Midspan, active meeting rail with keeper adjacent on fixed meeting rail
Plastic tilt latch	2	Active sash, meeting rail ends
Metal tilt pin	2	Active sash, bottom rail ends
Balance assembly	2	One in each jamb
Screen plunger	2	4" from rail ends on top rail

Allen H. Reeves
1 APRIL 2007



Test Specimen Description: (Continued)

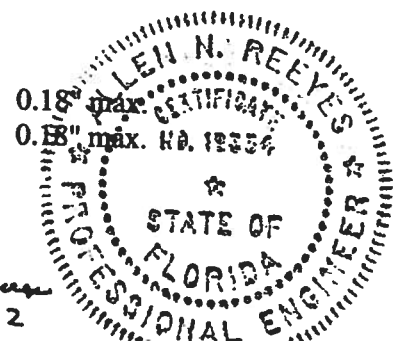
<u>Paragraph</u>	<u>Title of Test - Test Method</u>	<u>Results</u>	<u>Allowed</u>
2.2.1.6.2	Deglazing Test (ASTM E 987) In operating direction at 70 lbs		
	Meeting rail	0.12"/25%	0.50"/100%
	Bottom rail	0.12"/25%	0.50"/100%
	In remaining direction at 50 lbs		
	Left stile	0.06"/12%	0.50"/100%
	Right stile	0.06"/12%	0.50"/100%
	Forced Entry Resistance (ASTM F 588-97)		
	Type: A		
	Grade: 10		
	Lock Manipulation Test	No entry	No entry
	Tests A1 through A5	No entry	No entry
	Test A7	No entry	No entry
	Lock Manipulation Test	No entry	No entry

Optional Performance

4.3	Water Resistance (ASTM E 547-00) (with and without screen) WTP = 6.00 psf	No leakage	No leakage
	Uniform Load Deflection (ASTM E 330-97) (Measurements reported were taken on the meeting rail) (Loads were held for 33 seconds)		
	@ 45.0 psf (positive)	0.47"	0.26" max.
	@ 47.2 psf (negative)	0.46"	0.26" max.

**Exceeds L/175 for deflection, but passes all other test requirements.*

Uniform Load Structural (ASTM E 330-97) (Measurements reported were taken on the meeting rail) (Loads were held for 10 seconds)	
@ 67.5 psf (positive)	0.05"
@ 70.8 psf (negative)	0.05"



Allen N. Reeves
1 APRIL 2002



Test Results: (Continued)

<u>Paragraph</u>	<u>Title of Test - Test Method</u>	<u>Results</u>	<u>Allowed</u>
	Forced Entry Resistance (ASTM F 588-97)		
	Type: D		
	Grade: 10		
	Hand and Tool Manipulation Test	No entry	No entry

Optional Performance

4.3	Water Resistance (ASTM E 547-00) WTP = 8.25 psf	No leakage	No leakage
	Uniform Load Deflection (ASTM E 330-97) (Measurements reported were taken on the jamb) (Loads were held for 33 seconds)		
	@ 45.0 psf (positive)	0.02"	0.41" max.
	@ 47.2 psf (negative)	0.02"	0.41" max.
	Uniform Load Structural (ASTM E 330-97) (Measurements reported were taken on the jamb) (Loads were held for 10 seconds)		
	@ 67.5 psf (positive)	0.01"	0.29" max.
	@ 70.8 psf (negative)	0.02"	0.29" max.

Detailed drawings, representative samples of the test specimen, and a copy of this report will be retained by ATI for a period of four years. The above results were secured by using the designated test methods and they indicate compliance with the performance requirements of the above referenced specification. This report does not constitute certification of this product, which may only be granted by the certification program administrator.

For ARCHITECTURAL TESTING, INC:

Mark A. Hess
Technician

MAH:nlb
01-41135.01

Allen N. Reeves, P.E.
Director - Engineering Services
1 APRIL 2002





Architectural Testing

AAMA/NWWDA 101/I.S.2-97 TEST REPORT

Rendered to:

MI HOME PRODUCTS, INC.
650 West Market Street
P.O. Box 370
Gratz, Pennsylvania 17030-0370

Report No: 01-41135.01

Test Date: 03/07/02

Report Date: 03/26/02

Expiration Date: 03/07/06

Project Summary: Architectural Testing, Inc. (ATI) was contracted by MI Home Products, Inc. to perform tests on Series/Model 650, aluminum picture window at their facility located in Elizabethville, Pennsylvania. The samples tested successfully met the performance requirements for a F-R45 60 x 80 rating.

Test Specification: The test specimen was evaluated in accordance with AAMA/NWWDA 101/I.S.2-97, *Voluntary Specifications for Aluminum, Vinyl (PVC) and Wood Windows and Glass Doors*.

Test Specimen Description:

Series/Model: 650

Type: Aluminum Picture Window

Overall Size: 5' 0" wide by 6' 8" high

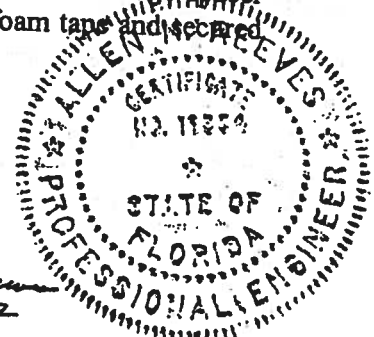
Daylight Opening Size: 4' 9-1/4" wide by 6' 5-1/4" high

Finish All aluminum was white.

Glazing Details: The test specimen utilized 7/8" thick, sealed insulating glass constructed from two sheets of 3/16" thick, clear annealed glass and a metal reinforced butyl spacer system. The glass was interior glazed against double-sided adhesive foam tape and secured with aluminum snap-in glazing beads.

130 Derry Court
York, PA 17402-9405
phone: 717.764.7700
fax: 717.764.4129
www.archtest.com

Allen N. Reeves
1 APR 12 2002



WOOD-EDGE STEEL DOORS

APPROVED DOOR STYLES: 3/4 GLASS:



404 Series



410 Series



450 Series

FULL GLASS:



109 Series



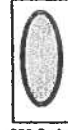
114, 120, 122
Series



152 Series



149 Series



300 Series

APPROVED SIDELITE STYLES:



680 Series



129 Series



200 Series



12R, 12L, 23R,
23L, 24R, 24L
Series



450 Series



152 Series



149 Series



109 Series



120, 122 Series



300 Series

CERTIFIED TEST REPORTS:

NCTL 210-1897-7, 8, 9, 10, 11, 12; NCTL 210-1861-4, 5, 6, 10, 11, 12; NCTL 210-2185-1, 2, 3

Certifying Engineer and License Number: Barry D. Portney, P.E. / 16258.

Unit Tested in Accordance with Miami-Dade BCCO PA202.

Evaluation report NCTL-210-2794-1

Door panels constructed from 26-gauge 0.017" thick steel skins. Both stiles constructed from wood. Top end rails constructed of 0.041" steel. Bottom end rails constructed of 0.021" steel. Interior cavity of slab filled with rigid polyurethane foam core. Slab and sidelite panels glazed with insulated glass mounted in a rigid plastic lip lite surround.

Frame constructed of wood with an extruded aluminum threshold.

PRODUCT COMPLIANCE LABELING:

TESTED IN
ACCORDANCE WITH
MIAMI-DADE BCCO PA202

COMPANY NAME
CITY, STATE

To the best of my knowledge and ability the above side-hinged exterior door unit conforms to the requirements of the 2001 Florida Building Code, Chapter 17 (Structural Tests and Inspections).

State of Florida, Professional Engineer
Kurt Balthazor, P.E. – License Number 56533



Test Data Review Certificate #3026447A and COP/Test Report Validation Matrix #3026447A-001 provides additional information - available from the ITSS/WH website (www.itssamko.com), the Masonite website (www.masonite.com) or the Masonite technical center.

Johnson
EntrySystems

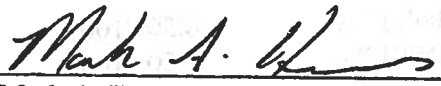
June 17, 2002
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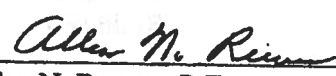
Exclusively from
Masonite
Masonite International Corporation

Detailed drawings, representative samples of the test specimen, and a copy of this report will be retained by ATI for a period of four years. The above results were secured by using the designated test methods and they indicate compliance with the performance requirements of the above referenced specification. This report does not constitute certification of this product, which may only be granted by the certification program administrator.

For ARCHITECTURAL TESTING, INC:


Mark A. Hess
Technician

MAH:nlb
01-41134.01


Allen N. Reeves, P.E.
Director - Engineering Services
1 APRIL 2002



Test Specimen Description: (Continued)

Drainage: Sloped sill

Reinforcement: No reinforcement was utilized.

Installation: The test specimen was installed into a 2 x 8 #2 Spruce-Pine-Fir wood test buck with #8 x 1-5/8" drywall screws every 8" on center around the nail fin. Polyurethane was used as a sealant under the nail fin and around the exterior perimeter.

Test Results:

The results are tabulated as follows:

<u>Paragraph</u>	<u>Title of Test - Test Method</u>	<u>Results</u>	<u>Allowed</u>
2.2.1.6.1	Operating Force	11 lbs	30 lbs max
	Air Infiltration (ASTM E 283-91) @ 1.57 psf (25 mph)	0.13 cfm/ft ²	0.3 cfm/ft ² max

Note #1: The tested specimen meets the performance levels specified in AAMA/NWWDA 101/I.S. 2-97 for air infiltration.

	Water Resistance (ASTM E 547-00) (with and without screen) WTP = 2.86 psf	No leakage	No leakage
2.1.4.1	Uniform Load Deflection (ASTM E 330-97) (Measurements reported were taken on the meeting rail) (Loads were held for 33 seconds) @ 25.9 psf (positive) @ 34.7 psf (negative)	0.42"* 0.43"*	0.26" max. 0.26" max.

**Exceeds L/175 for deflection, but passes all other test requirements.*

2.1.4.2	Uniform Load Structural (ASTM E 330-97) (Measurements reported were taken on the meeting rail) (Loads were held for 10 seconds) @ 38.9 psf (positive) @ 52.1 psf (negative)	0.02" 0.02"	0.18" max. 0.18" max.
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Allen N. Reeves
1 APRIL 2002





Architectural Testing

AAMA/NWWDA 101/I.S.2-97 TEST REPORT

Rendered to

MI HOME PRODUCTS, INC.
650 West Market Street
P.O. Box 370
Gratz, Pennsylvania 17030-0370

Report No: 01-41134.01

Test Date: 03/07/02

Report Date: 03/26/02

Expiration Date: 03/07/06

Project Summary: Architectural Testing, Inc. (ATI) was contracted by MI Home Products, Inc. to perform tests on Series/Model 650 Fin, aluminum single hung window at their facility located in Elizabethville, Pennsylvania. The samples tested successfully met the performance requirements for a H-R40 52 x 72 rating.

Test Specification: The test specimen was evaluated in accordance with AAMA/NWWDA 101/I.S.2-97, *Voluntary Specifications for Aluminum, Vinyl (PVC) and Wood Windows and Glass Doors*.

Test Specimen Description:

Series/Model: 650 Fin

Type: Aluminum Single Hung Window

Overall Size: 4' 4-1/4" wide by 6' 0-3/8" high

Active Sash Size: 4' 1-3/4" wide by 3' 0-5/8" high

Daylight Opening Size: 3' 11-3/8" wide by 2' 9-1/2" high

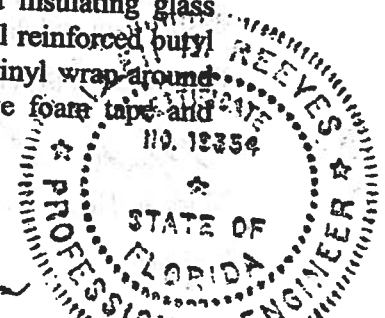
Screen Size: 4' 0-1/4" wide by 2' 11-1/8" high

Finish: All aluminum was white.

Glazing Details: The active and fixed lites utilized 5/8" thick, sealed insulating glass constructed from two sheets of 1/8" thick, clear annealed glass and a metal reinforced butyl spacer system. The active sash was channel glazed utilizing a flexible vinyl wrap around gasket. The fixed lite was interior glazed against double-sided adhesive foam tape and secured with PVC snap-in glazing beads.

130 Derry Court
York, PA 17402-9405
phone: 717.764.7700
fax: 717.764.4129
www.archtest.com

Allen N. Reeves
1 APRIL 2002



X

Opaque Inswing Unit

COP-WL-JH4101-02

WOOD-EDGE STEEL DOORS

CERTIFIED TEST REPORTS:

NCTL 210-2185-1, 2, 3

Certifying Engineer and License Number: Barry D. Portney, P.E. / 16258.

Unit Tested in Accordance with Miami-Dade BCCO PA201, PA202 and PA203.

Door panels constructed from 26-gauge 0.017" thick steel skins. Both stiles constructed from wood. Top end rails constructed of 0.041" steel. Bottom end rails constructed of 0.021" steel. Interior cavity of slab filled with rigid polyurethane foam core.

Frame constructed of wood with an extruded aluminum threshold.

PRODUCT COMPLIANCE LABELING:

TESTED IN ACCORDANCE WITH
MIAMI-DADE BCCO
PA201, PA202 & PA203

COMPANY NAME
CITY, STATE

To the best of my knowledge and ability the above side-hinged exterior door unit conforms to the requirements of the 2001 Florida Building Code, Chapter 17 (Structural Tests and Inspections).



State of Florida, Professional Engineer
Kurt Balthazor, P.E. – License Number 56533

Warnock Hersey



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Premium Quality Doors



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XX

Glazed Inswing Unit

COP-WL-JH4142-02

WOOD-EDGE STEEL DOORS**APPROVED DOOR STYLES:****3/4 GLASS:**

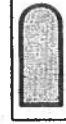
404 Series



410 Series



450 Series

FULL GLASS:

109 Series

114, 120, 122
Series

152 Series



149 Series



300 Series

CERTIFIED TEST REPORTS:

NCTL 210-1897-7, 8, 9, 10, 11, 12; NCTL 210-1861-4, 5, 6, 10, 11, 12; NCTL 210-2185-1, 2, 3

Certifying Engineer and License Number: Barry D. Portney, P.E. / 16258.

Unit Tested in Accordance with Miami-Dade BCCO PA202.

Evaluation report NCTL-210-2794-1

Door panels constructed from 26-gauge 0.017" thick steel skins. Both stiles constructed from wood. Top end rails constructed of 0.041" steel. Bottom end rails constructed of 0.021" steel. Interior cavity of slab filled with rigid polyurethane foam core. Slab glazed with insulated glass mounted in a rigid plastic lip lite surround.

Frame constructed of wood with an extruded aluminum threshold.

PRODUCT COMPLIANCE LABELING:

TESTED IN
ACCORDANCE WITH
MIAMI-DADE BCCO PA202

COMPANY NAME
CITY, STATE

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State of Florida, Professional Engineer
Kurt Balthazor, P.E. – License Number 56533



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WOOD-EDGE STEEL DOORS

APPROVED DOOR STYLES:

3/4 GLASS:



404 Series



410 Series

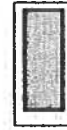


450 Series

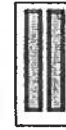
FULL GLASS:



109 Series



114, 120, 122 Series



152 Series



149 Series



300 Series

APPROVED SIDELITE STYLES:



680 Series



129 Series



200 Series



12R, 12L, 23R,
23L, 24R, 24L
Series



450 Series



152 Series



149 Series



109 Series



120, 122 Series



300 Series

CERTIFIED TEST REPORTS:

NCTL 210-1897-7, 8, 9, 10, 11, 12; NCTL 210-1861-4, 5, 6, 10, 11, 12; NCTL 210-2185-1, 2, 3

Certifying Engineer and License Number: Barry D. Portney, P.E. / 16258.

Unit Tested in Accordance with Miami-Dade BCCO PA202.

Evaluation report NCTL-210-2794-1

Door panels constructed from 26-gauge 0.017" thick steel skins. Both stiles constructed from wood. Top end rails constructed of 0.041" steel. Bottom end rails constructed of 0.021" steel. Interior cavity of slab filled with rigid polyurethane foam core. Slab and sidelite panels glazed with insulated glass mounted in a rigid plastic lip lite surround.

Frame constructed of wood with an extruded aluminum threshold.

PRODUCT COMPLIANCE LABELING:

TESTED IN
ACCORDANCE WITH
MIAMI-DADE BCCO PA202

COMPANY NAME
CITY, STATE

To the best of my knowledge and ability the above side-hinged exterior door unit conforms to the requirements of the 2001 Florida Building Code, Chapter 17 (Structural Tests and Inspections).

Kurt L Balth

State of Florida, Professional Engineer
Kurt Balthazor, P.E. -- License Number 56533



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Notice of Intent for Preventative Treatment for Termites

(As required by Florida Building Code 104.2.6)

6/8/06

SW Greenleaf

24345

Lake City, FL

Address of Treatment or Lot/Block of Treatment

City

Florida Pest Control & Chemical Co.

www.flapest.com

Product to be used: Bora-Care Termiticide (Wood Treatment)

Chemical to be used: 23% Disodium Octaborate Tetrahydrate

Application will be performed onto structural wood at dried-in stage of construction. Bora-Care Termiticide application shall be applied according to EPA registered label instructions as stated in the Florida Building Code Section 1816.1

Information to be provided to local building code offices prior to concrete foundation installation.)